Law, Technology, and Competition at Penn
2020 – 2021

Center for Technology, Innovation and Competition
The mission of the Center for Innovation, Technology and Competition is to forge a collaborative community of innovative researchers and students committed to shaping the trajectory of technology policy, law, and regulation. CTIC accomplishes its mission in three ways. First, it produces foundational research on technology-related topics, such as intellectual property, telecommunications, health, privacy, antitrust, media and entertainment, and artificial intelligence, just to name a few. Second, through pathbreaking law and technology curricula, joint degree programs, fellowships, and other student-oriented programs, CTIC helps students and aspiring scholars better position themselves to contribute to an increasingly technologically dynamic world. Third, CTIC educates policymakers and the public on critical issues where law and technology converge.

CTIC draws upon the expertise of Penn Law’s nationally recognized law and technology experts as well as the University of Pennsylvania’s School of Engineering and Applied Science, Warren Center for Network & Data Sciences, Wharton School, and other renowned Penn schools and centers.

For more information and a schedule of CTIC events, visit www.pennCTIC.org. Follow us on Twitter @pennlawctic.
<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A Message from the Director</td>
</tr>
<tr>
<td>3</td>
<td>Faculty</td>
</tr>
<tr>
<td>4</td>
<td>Core Faculty</td>
</tr>
<tr>
<td>27</td>
<td>Secondary Faculty</td>
</tr>
<tr>
<td>32</td>
<td>Affiliated Faculty</td>
</tr>
<tr>
<td>38</td>
<td>Adjunct Faculty</td>
</tr>
<tr>
<td>40</td>
<td>Lecturers-in-Law</td>
</tr>
<tr>
<td>41</td>
<td>Research Fellows</td>
</tr>
<tr>
<td>43</td>
<td>Managing Director</td>
</tr>
<tr>
<td>45</td>
<td>Major Conferences</td>
</tr>
<tr>
<td>46</td>
<td>Economics of Digital Services: A New Initiative to Promote Research on Digital Platforms</td>
</tr>
<tr>
<td>48</td>
<td>Ninth Annual Global Patent Law Conference</td>
</tr>
<tr>
<td>52</td>
<td>Fifth Annual Copyright Scholarship Roundtable</td>
</tr>
<tr>
<td>54</td>
<td><em>Journal of Law &amp; Innovation</em> Symposium: Innovation in a Time of Crisis</td>
</tr>
<tr>
<td>56</td>
<td>14th Annual Penn Intellectual Property Group Symposium: America Invents Act - Mission Accomplished or Promise Unfulfilled?</td>
</tr>
<tr>
<td>59</td>
<td>Events and Programs</td>
</tr>
<tr>
<td>60</td>
<td>Current and Emerging Issues in Law and Technology</td>
</tr>
<tr>
<td>61</td>
<td>Fireside Chat with USPTO Director Andrei Iancu</td>
</tr>
<tr>
<td>62</td>
<td>The Latest in Antitrust: The House Report, the Google and Qualcomm Cases, and Developments in the EU</td>
</tr>
<tr>
<td>63</td>
<td>COVID Vaccines for Developing Countries</td>
</tr>
<tr>
<td>64</td>
<td>What to Expect: Communications Law and Policy in 2021</td>
</tr>
<tr>
<td>65</td>
<td>The Future of Copyright Law: The CASE Act and Beyond</td>
</tr>
<tr>
<td>66</td>
<td>State of the Nation: Antitrust, Privacy, and Health Care Law and Policy in the Biden Administration</td>
</tr>
<tr>
<td>69</td>
<td>Student-Oriented Programs</td>
</tr>
<tr>
<td>70</td>
<td>Detkin Intellectual Property and Technology Legal Clinic</td>
</tr>
<tr>
<td>71</td>
<td><em>Journal of Law &amp; Innovation</em></td>
</tr>
<tr>
<td>72</td>
<td>Career Speaker Series</td>
</tr>
<tr>
<td>73</td>
<td>Careers in Intellectual Property Panel</td>
</tr>
<tr>
<td>74</td>
<td>Cutting-Edge Degree Programs in Law and Engineering</td>
</tr>
<tr>
<td>75</td>
<td>CTIC Summer Public Interest Fellowships</td>
</tr>
<tr>
<td>76</td>
<td>CTIC and the Penn Intellectual Property Group</td>
</tr>
<tr>
<td>77</td>
<td>The Partnership for Entrepreneurial Engineering and Penn Law</td>
</tr>
<tr>
<td>78</td>
<td>New Law and Technology Student Organizations</td>
</tr>
<tr>
<td>79</td>
<td>Patent Law and IP-focused Clerkships</td>
</tr>
<tr>
<td>83</td>
<td>Projects and News</td>
</tr>
<tr>
<td>84</td>
<td>The CTIC Team and COVID-19 Developments</td>
</tr>
<tr>
<td>85</td>
<td>Economics of Digital Services (EODS) Research Initiative</td>
</tr>
<tr>
<td>86</td>
<td>1 World Connected</td>
</tr>
<tr>
<td>88</td>
<td>Comparative Study of Chinese, EU, and U.S. Competition Law</td>
</tr>
<tr>
<td>89</td>
<td>CTIC Faculty and the American Law Institute (ALI)</td>
</tr>
<tr>
<td>90</td>
<td>Victory in the 13th Annual First Amendment and Media Law Diversity Moot Court Competition</td>
</tr>
<tr>
<td>91</td>
<td>Administrative Conference of the U.S. Project on Protected Materials in Public Rulemaking Dockets</td>
</tr>
<tr>
<td>92</td>
<td>Federal Communications Commission’s Broadband Deployment Advisory Committee</td>
</tr>
<tr>
<td>93</td>
<td>Special Master in National Football League Concussion Settlement</td>
</tr>
<tr>
<td>94</td>
<td>Awards for Teaching Excellence to Wagner and Dahl</td>
</tr>
<tr>
<td>95</td>
<td><em>Promises, Promises</em> Podcast</td>
</tr>
<tr>
<td>96</td>
<td>Using Technology in Service of the Public Good</td>
</tr>
<tr>
<td>97</td>
<td>Right of Publicity Website</td>
</tr>
<tr>
<td>98</td>
<td>Selection of Penn Law Student for the 2021 ABA/AIPLA Jan Jancin Award for Excellence in Intellectual Property</td>
</tr>
<tr>
<td>99</td>
<td>Massive Open Online Courses: Intellectual Property Law Specialization</td>
</tr>
</tbody>
</table>
A Message from the Director

Dear Friends of CTIC,

This annual report commemorates the 14th year of the Center for Technology, Innovation and Competition at Penn Law. Despite the challenges presented by this second pandemic year, CTIC continued its mission to produce pathbreaking research- and student-oriented programming at the cutting edge where law and technology converge.

The 2020-2021 academic year witnessed the launch of CTIC’s Economics of Digital Services (EODS) research initiative funded by a major grant from the Knight Foundation. It brings together scholars from around the globe to conduct independent research on the role user data plays in today’s digital platforms’ business strategies—and the possible effect on antitrust law and policy.

Through its 1 World Connected project, the Center continued to study innovative ways to connect more people to the Internet and the ways that connectivity improves their lives.

CTIC presented events on current and emerging issues in intellectual property, antitrust, and health care, and continued to support students interested in a career in law and technology, offering innovative courses, fellowships, internships, and career direction.

While the COVID-19 pandemic still dictated a virtual path for programming, CTIC faculty went beyond simply holding programs online by making important substantive contributions to understanding the effect of COVID-19 on crime, psychological stress, insurance litigation, patent rights, and long-term care.

CTIC is grateful to its Penn colleagues, global participants, donors, and friends for their participation, expertise, and contributions to the Center’s work during the 2020-2021 academic year. This extraordinary support enables CTIC to maintain its position as one of the country’s leading academic centers in law and technology.

We look forward to engaging with you in the next academic year.

Christopher S. Yoo
John H. Chestnut Professor of Law, Communication, and Computer & Information Science
Founding Director, Center for Technology, Innovation and Competition
CTIC’s foundation is Penn Law’s internationally recognized experts in intellectual property, antitrust, privacy, regulation, and other legal areas. The Center’s faculty also collaborates with Penn’s School of Engineering and Applied Science, Warren Center for Network & Data Sciences, Wharton School, and other renowned schools and centers. The interdisciplinary forum convened by CTIC produces unparalleled discourse, research, and scholarship that advance global understanding of the policy and law surrounding current and emerging technological innovations.
DAVID ABRAMS

"After experiencing a year with a drop in crime, the recent surge in homicides is alarming. But the reason for this increase is not so explicit—any explanation for an increase in homicide would need to account for the plunge in other types of crime. I am studying the impacts of the pandemic on the homicide surge in an attempt to unveil the complicated reasons behind this disturbing trend."
David Abrams is one of the leading economists working in empirical law and economics. His work covers a range of topics, tied together by the goal of understanding and measuring how individuals respond to incentives in various legal contexts. In the area of criminal justice, a major area of expertise, Abrams has investigated such questions as whether longer sentences deter crime, how a defendant's race impacts judicial decisions, to what extent attorney skill affects case outcomes, and how much individuals value freedom. Intellectual property is Abrams's other major area of expertise. He has investigated the expected impact of the America Invents Act, examined the effect of patent duration on innovation, and is using natural language processing to establish more reliable measures of patent value. His additional interests are law and health economics, labor economics, and corporate finance. His work has appeared in top peer-reviewed journals and law reviews, including the Stanford Law Review, University of Chicago Law Review, University of Pennsylvania Law Review, American Economic Journal: Applied Economics, and Journal of Legal Studies.

**Expertise**
Law and Economics, Intellectual Property, Criminal Law, Patent Law

**Secondary Appointments**
Business Economics and Public Policy, The Wharton School

**Education**
PhD 2006 Massachusetts Institute of Technology
MS 2001 Stanford University
AB 1998 Harvard University

**Courses Taught**
- Introduction to Intellectual Property Law and Policy
- Intellectual Property
- Law and Economics
- Analytical Methods in Law

**Representative Publications**

**Recent Publications**
SHYAMKRISHNA BALGANESH

“I am working on a book manuscript examining the conceptual transformation of U.S. copyright law over the last century. I argue that U.S. copyright law morphed from being a body of private law rules based on rights, duties, and liability to a more public-oriented regulatory regime. This transformation has been largely underappreciated, which has produced a variety of perceived anomalies and puzzles within the working of the copyright system.”
Shyamkrishna Balganesh'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, especially private law. His most recent work examines the evolution of American copyright law from a predominantly private law regime to a public law-based regulatory system under the influence of legal process thinking. He received Penn Law's Robert A. Gorman Award for Excellence in Teaching in 2017 and the A. Leo Levin Award for Excellence in an Introductory Course in 2015. As a student at Yale Law School, he was an Articles & Essays Editor of the Yale Law Journal and a Student Fellow at the Information Society Project. Prior to that, he spent two years as a Rhodes Scholar at Balliol College, Oxford. In fall 2019, he was the Samuel Rubin Visiting Professor of Law at Columbia Law School.

Expertise
Copyright, Property Law, Intellectual Property, Patent Law, Law and Technology, Legal Philosophy

Education
JD 2007 Yale Law School
MPhil 2005, BCL 2004 University of Oxford
BA, LLB 2003 National Law School of India University

Courses Taught
• Copyright Law
• Property Law
• Copyright Theory
• Property Theory

Representative Publications
Copyright Infringement Markets, 113 Colum. L. Rev. 2277 (2013).
The Obligatory Structure of Copyright Law: Unbundling the Wrong of Copying, 125 Harv. L. Rev. 1664 (2012).

Recent Publications

The In Rem/In Personam Distinction and Partitioning for Persistence, in The Legacy of Wesley Hohfeld: Edited Major Works, Selected Personal Papers, and Original Commentaries (Shyamkrishna Balganesh, Ted M. Sichelman & Henry E. Smith eds., Cambridge forthcoming 2021)
The Cambridge Handbook of Copyright Limitations and Exceptions (Cambridge 2021) (with Ng-Loy Wee Loon & Haochen Sun).
Privative Copyright, 73 Vand. L. Rev. 1 (2020).
Do We Need a New Conception of Authorship?, 43 Colum. J.L. & Arts 371 (2020).
“Practicing intellectual property law means adapting to constant change. The pandemic has presented an opportunity to teach students that counselors need to remain nimble, helping early stage ventures and arts organizations face pivots. In my scholarship, I have also been examining change sparked by legislation, looking at the long-term effects of the America Invents Act on university technology transfer.”
As Director of the Detkin Intellectual Property and Technology Legal Clinic, Cynthia Dahl specializes in counseling clients on creating business value from intellectual property and technological innovation. Prior to joining Penn Law, Dahl practiced for ten years as Senior IP Counsel for TruePosition, Inc., a Liberty Media-owned international wireless location company, where she managed the patent portfolio for the parent company and three start-up entities, drafted and executed all IP agreements, and oversaw standards-setting activities. Before practicing in house, she worked as an IP litigation associate at Holland & Hart LLP and Pennie & Edmonds LLP. Dahl also counseled artists for Volunteer Lawyers for the Arts and held several positions in policy and the press, including working for Senator Bill Bradley (D-NJ) and Nina Totenberg of National Public Radio. Her scholarly work suggests new designs for teaching students practicing at the intersection of law, business, and technology, particularly concerning how best to introduce law students to the mindsets and mores of engineers and other non-legal professionals. She is also interested in the ethics and privacy implications of the use of certain technologies by lawyers and the clients they represent.

Expertise
Intellectual Property, Law and Technology, Social Media

Education
JD 1998 Stanford Law School
BA 1991 Yale University

Courses Taught
- Detkin Intellectual Property and Technology Legal Clinic
- The Partnership for Entrepreneurial Engineering and Penn Law
- Advanced Intellectual Property Clinic

Representative Publications


Recent Publications
"Did the America Invents Act Change University Technology Transfer?", 19 TEX. INTELL. PROP. L.J. 1 (2020).


"Reviewing Inter Partes Review Five Years In: The View from the University Technology Transfer Offices," in RESEARCH HANDBOOK ON INTELLECTUAL PROPERTY AND TECHNOLOGY TRANSFER 339 (Edward Elgar 2020).
ALLISON HOFFMAN

“This next year will continue to see many questions about treatment and regulation around COVID-19 and health law financing and delivery broadly, based on the flaws in the system the pandemic highlighted. We’ll see a spotlight on legal questions about vaccine mandates and passports, continued public health regulation, efforts to extend insurance to the still uninsured and underinsured, and reforms to the way we pay for and provide long-term care. Health law will continue to be front and center.”
Allison Hoffman is an expert in health care law and policy. Her work examines some of the most important legal and social issues of our time, including the Affordable Care Act, Medicare and retiree health care expenses, and long-term care. In summer 2020, Hoffman co-taught a class on COVID-19 and the law. In 2018, she received the Robert A. Gorman Award for Excellence in Teaching.

Hoffman has extensive experience working as a lawyer and business consultant in the health care industry. She practiced law at Ropes & Gray LLP, where she counseled clients on health care regulatory matters. She has also provided strategic business advice to health care companies as a consultant at the Boston Consulting Group and the Bridgespan Group. From 2010 to 2017, Hoffman was a member of the UCLA School of Law faculty and before that, a fellow at Harvard’s Petrie-Flom Center for Health Law Policy, Biotechnology, and Bioethics. Hoffman graduated summa cum laude from Dartmouth College and from Yale Law School, where she was Submissions Editor for the Yale Journal of Health Policy, Law, and Ethics.

Expertise

Education
JD 2004 Yale Law School
AB 1998 Dartmouth College

Courses Taught
• Health Law Reform
• Torts
• Health Law and Policy

Representative Publications
Reimagining the Risk of Long-Term Care, 16 Yale J. Health Pol’y L. & Ethics 239 (2016).


Recent Publications


The American Pathology of Inequitable Access to Medical Care, in The Oxford Handbook of Comparative Health Law 243 (David Orentlicher & Tamara Hervey eds., Oxford 2020) (with Mark Hall).


The ACA’s Choice Problem, 45 J. Health Pol’y ’ L. & 501 (2020).

DAVID HOFFMAN

“The COVID-19 pandemic has led to numerous disruptions that demonstrate the shortcomings of contracts in the face of disaster. During the Great Pause of March and April 2020, it became obvious that not performing certain contracts had become necessary to stop the virus. The law says shockingly little about pandemics and contracts. One of the only ways that parties can get out of performing contracts is if there’s some major unexpected event that counts as a force majeure—an unforeseeable circumstance that prevents someone from fulfilling a contract. But there’s some debate as to whether pandemics, which are arguably quite foreseeable, count as unexpected. Other than that, our courts generally enforce contracts as written—and that predictable enforcement is thought of as a feature, not a bug, of American law.”
David Hoffman
Deputy Dean; Professor of Law

David Hoffman’s scholarship uses observational and experimental data to explore individuals’ behavior relating to legal rules and practices. In contract law, his recent papers have investigated digitized contracting over blockchain networks as well as the contractual documents governing initial coin offerings. Hoffman has also written about whether millennials have developed a distinctive set of views that relate to their experiences with online commercial transactions and how firms use form contracts as brands to better engage users with digital platforms. He is currently building and analyzing a novel dataset of several hundred thousand Philadelphia residential leases, which has identified the growing use of standardized leases that often contain illegal terms and how geography and race affect the kinds of lease terms tenants face. Before joining the legal academy, Hoffman was a litigation associate at Cravath, Swaine & Moore LLP in New York and served as a law clerk for Judge Norma L. Shapiro of the U.S. District Court for the Eastern District of Pennsylvania. Hoffman won the Harvey Levin Award for Teaching Excellence in 2018.

**Expertise**
Contracts, Social Science and the Law, Law and Economics, Behavioral Economics, Corporate and Financial Law, Legal Process and Dispute Resolution

**Education**
JD 2001 Harvard Law School
BA 1998 Yale University

**Courses Taught**
- Contracts
- Advanced Topics in Contracts
- Empirical Approaches to Contract Law
- Corporations

**Representative Publications**
*“They Saw a Protest”: Illiberalism and the Speech-Conduct Distinction*, 64 STAN. L. REV. 851 (2012) (with Dan Kahan et al.).

**Recent Publications**
Leases as Forms (Univ. of Penn Inst. for Law & Econ. Res. Paper No. 21-11 2021) (with Anton Strezhnev).
HERBERT HOVENKAMP

“Making markets work better.”
Herbert Hovenkamp is a recognized expert and prolific author in the areas of antitrust law and American legal history. Hovenkamp is a Penn Integrates Knowledge Professor, part of a University-wide initiative to integrate research across different educational disciplines. He holds a joint appointment from Penn Law and the Wharton School. Prior to joining Penn, Hovenkamp was a Professor of Law at the University of Iowa and the University of California, Hastings College of the Law.

Hovenkamp is a Fellow of the American Academy of Arts and Sciences. He has been a Rockefeller Foundation Fellow and Fellow of the American Council of Learned Societies at Harvard Law School, a Faculty Scholar and Presidential Lecturer at the University of Iowa, and a recipient of the John Sherman Award from the U.S. Department of Justice. He was awarded a Penn Law LLM teaching award in 2019.

Expertise
Antitrust, Torts, Intellectual Property, American Legal History

Secondary Appointments
Legal Studies and Business Ethics, The Wharton School

Education
JD 1978 University of Texas School of Law
PhD 1976, MA 1971 University of Texas
BA 1969 Calvin College

Courses Taught
• Antitrust
• Antitrust: Mergers, IP & Vertical Restraints
• Law and Commerce in American History
• Torts

Representative Publications

Recent Publications
FRAND and Antitrust, 105 Cornell L. Rev. 1683 (2020).
“Historically, the law helped impecunious plaintiffs overcome their inherent disadvantage in civil litigation. Unfortunately, this is no longer the case: modern law has largely abandoned the mission of assisting the least well off. Preliminary damages can remedy this by providing poor victims the financial oxygen they badly need and by eliminating the incentive of rich wrongdoers to drag litigation unnecessarily.”
Gideon Parchomovsky specializes in intellectual property, property law, and cyber law. Parchomovsky has 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 for a comprehensive property theory and for the need to introduce a value-oriented theory. Parchomovsky received the LLM teaching award for 2014-2015, the Harvey Levin Memorial Award for Teaching Excellence for 2012-2013, and the A. Leo Levin Award for Excellence in an Introductory Course for 2010-2011.

Expertise
Intellectual Property, Property Law, Information Law

Education
JSD 1998 Yale Law School
LLM 1995 University of California, Berkeley
LLB 1993 Hebrew University of Jerusalem

Courses Taught
• Property Law
• Copyright Law
• Impact of the Internet on Copyright and Patent Law
• Trademarks

Representative Publications
Intellectual Property Defenses, 113 Colum. L. Rev. 1483 (2013) (with Alex Stein).

Recent Publications
A Remedy for the Least Well-Off: The Case for Preliminary Damages, 75 Vand. L. Rev. (forthcoming 2022) (with Alex Stein).
Autonomy, 70 U. Toronto L.J. (2020) (with Alex Stein).
R. POLK WAGNER

“The international COVID-19 vaccine rollout is unlikely to fully occur until at least 2022. New foreign manufacturers will need to overcome numerous technical and supply hurdles. Foreign competition will need to be enabled by waivers. And when that production begins, supplies will likely be aimed at developing nations that cannot afford the higher prices paid by wealthy countries.”
R. Polk Wagner
Michael A. Fitts Professor of Law

Polk Wagner is an expert in intellectual property with a focus on 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 a frequent lecturer on intellectual property topics worldwide. Wagner was Deputy Dean of Penn Law from 2017 to 2019 and received the Robert A. Gorman Award for Excellence in Teaching in 2015. 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. He was the 1994-1995 Roger M. Jones Fellow at the London School of Economics.

Expertise

Education
JD 1998 Stanford Law School
BSE 1993 University of Michigan
BS 1993 College of Charleston

Courses Taught
• Patent Law
• Introduction to Intellectual Property Law and Policy
• Patent Law Appellate Advocacy
• Property Law
• ML: Introduction to Patent Law Online

Representative Publications

Recent Publications
TESS WILKINSON-RYAN

“The plan for continuing education during COVID cannot just be to keep telling students to stay in their dorm room or their seat. Institutions should recognize that, even in the best version of this fall, students will be paying a steep price. The system does not work without their cooperation, and educators who want to meet students halfway need to understand what is happening to them.”
Tess Wilkinson-Ryan
Professor of Law and Psychology

Tess Wilkinson-Ryan studies the psychology of legal decision-making. Her research addresses the role of moral judgment in legal decision-making, with a focus on private contracts and negotiations. She uses experimental methods from psychology and behavioral economics to ask how people draw on their moral intuitions to motivate or inform legal choices. Recent research topics include statutory damages in copyright law, online contracting, and retirement investing. As a student at Penn Law, she was an Associate Editor of the University of Pennsylvania Law Review. In 2012, Wilkinson-Ryan was awarded the A. Leo Levin Award for Excellence in an Introductory Course and in 2014 the Harvey Levin Memorial Award for Teaching Excellence.

Expertise
Contracts, Behavioral Economics, Law and Social Sciences

Education
PhD 2008, MA 2006, JD 2005 University of Pennsylvania
BA 1999 Harvard University

Courses Taught
- Contracts
- Psychological Analysis of Legal-Decision Making
- Gender, Psychology, and Law

Representative Publications

Judging Similarity, 100 Iowa L. Rev. 267 (2014) (with Shyamkrishna Balganesh & Irina Manta).


Recent Publications
CHRISTOPHER YOO

“My research included an empirical dimension this year. One major project assesses the impact of mobile Internet access on the socioeconomic well-being of women in Bangladesh and Ghana. Other research explores the potential of municipal fiber and fixed wireless to bring more people online in the United States, a topic that should help policymakers determine how to target the new federal funding for broadband included in the new infrastructure legislation.”
Christopher Yoo

John H. Chestnut Professor of Law, Communication, and Computer & Information Science; Founding Director, Center for Technology, Innovation and Competition

Christopher Yoo is one of the world’s leading authorities on law and technology and is recognized as one of the most cited scholars in administrative, regulatory, and intellectual property law. His major research projects include examining big data and antitrust; studying innovative ways to connect more people to the Internet; using technological principles to inform how the law can promote optimal interoperability; protecting privacy and security for the Internet’s routing architecture; comparing antitrust enforcement practices in China, Europe, and the United States; and studying copyright theory as well as network neutrality. The author of more than 100 scholarly works, Yoo testifies frequently before the U.S. Congress, Federal Communications Commission, Federal Trade Commission, U.S. Department of Justice, and foreign governments. As a student at Northwestern, he served as an Associate Articles Editor of the Northwestern University Law Review. Prior to joining the academy, Yoo served as a clerk to 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.

Expertise
Communications Law, Antitrust, Intellectual Property, Copyright, Privacy Law, Mass Media Law, Law and Technology, Regulated Industries, Presidential Power, First Amendment, Cyberwar

Secondary Appointments
Annenberg School for Communication
Computer and Information Science Department, School of Engineering and Applied Science

Education
JD 1995 Northwestern University Pritzker School of Law
MBA 1991 Anderson School at the University of California, Los Angeles
AB 1986 Harvard University

Courses Taught
• Internet Law
• Antitrust
• Telecommunications Law
• Privacy
• Technology and Policy
• Introduction to Intellectual Property
• Artificial Intelligence and the Law
• Copyright Theory
• Law & Innovation Seminar
• Intellectual Property Scholarship

Recent Publications
Privacy in the Age of Contact Tracing: An Analysis of Contact Tracing Apps in Different Statutory and Disease Frameworks, 4 J.L. & Innovation (forthcoming 2021) (with Apratim Vidyarthi).
Self-Actualization and the Need to Create as a Limit on Copyright, in LIMITATIONS AND EXCEPTIONS TO COPYRIGHT LAW IN COMPARATIVE PERSPECTIVE 12 (Shyamkrishna Balganes, Wee Looon Ng-Loy & Haochen Sun eds., Cambridge 2021).
“Both trademark and unfair competition laws and state right of publicity laws protect against unauthorized uses of a person’s identity. Increasingly, however, these rights are working at odds with one another, and can point in different directions with regard to who controls a person’s name, likeness, and broader indicia of identity. This creates what I call an ‘identity thicket’ of overlapping and conflicting rights over a person’s identity. Recognizing a broader vision of trademark law that includes consideration of personality-based interests will provide significant guidance as to how to navigate this identity thicket.”
Jennifer Rothman is nationally recognized for her scholarship in the field of intellectual property law. She is the leading expert on the right of publicity and is frequently sought after to consult on legislation, high-profile litigation, and the development of creative projects. In addition to focusing on conflicts between intellectual property rights and other constitutionally protected rights, such as the freedom of speech, her scholarship explores the intersections of tort and property law, particularly in the context of the right of publicity, copyright, trademark, and unfair competition law. Her current research focuses on the ways intellectual property law is employed to turn people into a form of property and how it regulates the production and content of expression. Her recent book, *The Right of Publicity: Privacy Reimagined for a Public World* published by Harvard University Press, addresses some of these concerns in what has been described as the “definitive biography of the right of publicity.” She is the author of *Rothman’s Roadmap to the Right of Publicity*, the preeminent website for all things right of publicity related (www.rightofpublicityroadmap.com).

Rothman held the William G. Coskran Chair at LMU Loyola Law School in Los Angeles, where she received the 2019-2020 David P. Leonard Faculty Service Award for outstanding teaching and service. From 2005 to 2007, she was an associate professor at Washington University School of Law in St. Louis. Rothman is an elected member of the American Law Institute and an adviser on the Restatement of the Law (Third) of Torts: Defamation and Privacy, and an affiliated fellow at the Yale Information Society Project at Yale Law School. She joined the Penn Law faculty during the summer of 2021.

**Expertise**
Trademarks & Unfair Competition, Right of Publicity, Copyright, Torts, First Amendment, Intellectual Property Theory, Entertainment & Media Law, Privacy Law

**Education**
JD University of California, Los Angeles School of Law
MFA University of Southern California, School of Cinematic Arts
AB Princeton University

**Courses Taught**
- Introduction to Intellectual Property Law and Policy

**Representative Publications**

**Recent Publications**
David Wishnick's scholarship focuses on the interactions between law and technology in shaping financial markets and business forms. Before joining Penn Law, Wishnick practiced at Jenner & Block LLP in Washington, D.C., where he advised clients in the finance and communications industries and, in a multi-year engagement, participated in the monitorship of a large bank after its settlement with tax and securities regulators. Prior to joining Jenner, Wishnick clerked for Judge Guido Calabresi of the U.S. Court of Appeals for the Second Circuit and Judge Thomas B. Griffith of the U.S. Court of Appeals for the D.C. Circuit.

**Expertise**
Law and Technology, Banking, Commercial Law, Contracts, Corporate and Financial Law

**Education**
JD 2012 Yale Law School
AB 2007 Brown University

**Courses Taught**
- The Fintech Challenge
- Journal of Law & Innovation Seminar

**Representative Publications**


**Recent Publications**


Anita Allen is an expert in privacy law, the philosophy of privacy, bioethics, and contemporary values. Allen is recognized for scholarship about legal philosophy, women’s reproductive rights, and diversity, equity, and inclusion in higher education. A graduate of Harvard Law School with a PhD in Philosophy, she began her legal career as an associate at Cravath, Swaine & Moore LLP. In 2018, she was elected President of the American Philosophical Association, Eastern Division. She was elected to the American Academy of Arts and Sciences in 2019 and the National Academy of Medicine in 2016. In 2010, she was appointed by President Obama to the Presidential Commission for the Study of Bioethical Issues. Allen, who has published six books and more than 120 articles, book chapters, and essays, has also contributed to popular magazines, newspapers, and blogs, and has frequently appears on nationally broadcast television and radio programs. Allen has been an active member of editorial, advisory, and charity boards as well as in professional organizations relating to her expertise in law, philosophy, and health care. She chairs the board of the Electronic Privacy Information Center and is on the board of the National Constitution Center.

**Expertise**
- Privacy and Data Protection Law
- Philosophy of Privacy
- Ethics
- Bioethics
- Philosophy of Law
- Torts
- Constitutional Law
- Health Law
- Non-Profit Organizations
- Diversity
- Equity
- Inclusion in Higher Education

**Secondary Appointments**
- Philosophy Department, School of Arts and Sciences

**Education**
- JD 1984 Harvard Law School
- PhD, MA 1980 University of Michigan
- BA 1974 New College of Florida

**Courses Taught**
- Privacy Law
- Torts
- Introduction to Ethics
- Bioethics and the Law of Mental Health
- African American Philosophy Since 1960
- Bioethics of Reproduction, Mental Health and Moral Life
- Higher Education Law and Policy

**Representative Publications**
Tom Baker is a highly regarded insurance expert, a leading scholar of insurance law and policy, and a devoted law teacher. His research explores insurance law, institutions, and markets using methods from history, economics, psychology, and sociology. His many books, articles, and reports address such topics as the impact of insurance on personal injury and securities litigation, health insurance reform, insurance underwriting and claims management, the historical development of insurance institutions, insurance company restructuring, and many aspects of insurance coverage. Current research topics include cyber liability and insurance, long-term care insurance, secondary insurance markets, and the empirical study of insurance litigation. Baker served as the Reporter for the American Law Institute’s Restatement of the Law, Liability Insurance, and is a co-founder of Picwell, a health data analytics company that provides advanced decision support tools to health insurance exchanges, insurers, and employers. Before joining the Penn Law faculty in 2008, Baker served for 11 years as the inaugural Connecticut Mutual Professor and Director of the Insurance Law Center at the University of Connecticut. After graduating from Harvard Law School, Baker clerked for Judge Juan R. Torruella of the U.S. Court of Appeals for the First Circuit, practiced with the law firm of Covington & Burling LLP, served as Associate Counsel to the Independent Counsel Iran/Contra, and entered law teaching as an associate professor at the University of Miami Law School.

Expertise

Secondary Appointments
Business Economics and Public Policy Department, The Wharton School

Education
JD 1986, AB 1982 Harvard University

Courses Taught
• Torts
• The Fintech Challenge
• Insurance Law and Policy
• Financial Regulation Law and Policy
• Regulation of Health Insurance Markets
• Risk Management
• Insurance Insolvency
• Liability and Insurance

Representative Publications
Ensuring Corporate Misconduct: How Liability Insurance Undermines Shareholder Litigation (Univ. of Chicago 2010) (with Sean Griffith).
The Medical Malpractice Myth (Univ. of Chicago 2005) (paperback 2007).
Cary Coglianese specializes in the study of regulation and regulatory processes with an emphasis on the empirical evaluation of alternative regulatory strategies and the role of public participation, technology, and business-government relations in policymaking. He is a public member of the Administrative Conference of the United States and Chair of its Committee on Rulemaking. He is a co-chair of the American Bar Association’s Administrative Law Section Committee on Regulatory Policy, past co-chair of the section’s Committee on Rulemaking and Committee on E-government, and a past member of the section’s Council. Coglianese has served on committees of the National Academies of Sciences, Engineering, and Medicine studying ways to improve regulatory design and enforcement. He was a consultant to the Administrative Conference of the United States, Environment Canada, Organization for Economic Cooperation and Development, U.S. Department of Commerce, U.S. Department of Transportation, and U.S. Environmental Protection Agency. He developed and served as the faculty director of Penn Law’s executive education certificate program in regulatory analysis and decision-making. He was a founding editor of the peer-reviewed journal, Regulation & Governance, and today he serves as the faculty advisor to The Regulatory Review.

**Expertise**
Administrative Law, Government Regulation, Environmental Law

**Secondary Appointments**
Political Science Department, School of Arts and Sciences

**Education**
AB 1985 College of Idaho

**Courses Taught**
- Administrative Law
- Environmental Law
- Policy Analysis
- Regulatory Law and Policy
- Advanced Regulatory Law and Policy
- Regulatory Analysis and Decision-Making

**Representative Publications**

*From Positive to Negative AI Rights*, 29 Wm. & Mary Bill Rights J. (forthcoming 2021) (with Katelyn Hefter).


Jonathan Klick’s work focuses on identifying the causal effects of laws and regulations on individual behavior using cutting-edge econometric tools. Specific topics he addresses include the relationship between abortion access and risky sex, the health behaviors of diabetics, the effect of police on crime, addiction as rational choice, how liability exposure affects the labor market for physicians, as well as a host of other issues. He also contributes to CTIC’s work on comparative competition law. His scholarship has been published in numerous peer-reviewed economics journals, including the *Journal of Economic Perspectives; The Journal of Law & Economics; The Journal of Law, Economics, & Organization;* and *The Journal of Legal Studies.* He has published papers in the *Stanford Law Review, Columbia Law Review,* and *University of Chicago Law Review.*

**Expertise**

**Courses Taught**
• Antitrust
• Torts
• Statistics for Lawyers
• Empirical Law and Economics

**Representative Publications**


*Social Networks, Self Denial, and Median Preferences: Conformity as an Evolutionary Strategy,* 37 J. Socio-Econ. 1319 (2008) (with Francesco Parisi).
Seth 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 conditions on public benefits. His subsequent work has shaped analysis of privacy, abortion regulation, assisted suicide, and same sex marriage. He has explored the implications of DNA testing in criminal justice, the relationship between free speech and the Internet, the complexities of the Freedom of Information Act, and the abuses of the “war on terror.” Kreimer has also represented plaintiffs in an array of constitutional litigation. He was awarded the Beacon Award for Exemplary Pro Bono Service in 2011 and Penn Law’s A. Leo Levin Award for Excellence in an Introductory Course in 2006.

**Expertise**
Constitutional Law, Civil Rights Law, Constitutional Litigation

**Education**
JD 1977, BA 1974 Yale University

**Courses Taught**
- Constitutional Law
- Constitutional Litigation
- Complex Litigation
- First Amendment in the 21st Century
- Individual Rights and Health Care
- Privacy and Disclosure

**Representative Publications**
Peter Decherney's research focuses primarily on the law's impact on media industries, having authored or edited six books on copyright, Hollywood, and other topics. He is the Faculty Director of Penn's Online Learning Initiative. Decherney has testified before the U.S. Copyright Office many times and filed amicus briefs in several cases, including the U.S. Supreme Court Case of Golan v. Holder. Decherney has been an Academy of Motion Picture Arts and Sciences Scholar, a fellow of the American Council of Learned Societies, and a U.S. State Department Arts Envoy to Myanmar. He has won multiple teaching awards and written for The New York Times, Forbes, and Inside Higher Ed.

**Expertise**
- Cinema and Media Studies
- Copyright

**Secondary Appointments**
- Annenberg School for Communication

**Education**
- PhD 2000 New York University
- BA 1993 Vassar College

---

Broadly conceived, Ezekiel Dixon-Román’s research rethinks and reconceptualizes the technologies of quantification from a critical theoretical lens. His research also focuses on how power and inequality are reproduced, especially in human learning and development, and the ways in which sociotechnical systems of quantification are working on, with, and in the body to generatively form and shape the movement and flow of power, difference, and inequality. He is Faculty Director of the Master of Science in Social Policy Program (MSSP), chairs the Data Analytics for Social Policy Certificate of the MSSP Program, and leads the Social Policy and Practice-Aliadas en Cadena Initiative, an evaluation of the Venezuela-based NGO’s flagship program that provides training and certification in information and communication technologies for vulnerable women. At the University of Pennsylvania Dixon-Román is a faculty affiliate of Latin American & Latino Studies; Gender, Sexuality, and Women’s Studies; and the Warren Center for Network & Data Sciences, as well as an honorary faculty member in the Institute for Gender, Race, Sexuality and Social Justice at the University of British Columbia.

**Expertise**
- Cultural Studies of Education, Quantification, and Social Policy,
- Philosophy of Science, Critical Theories of “Difference”

**Secondary Appointments**
- Graduate School of Education
- Department of Africana Studies
- Annenberg School for Communication

**Education**
- PhD 2007, MA 2004 Fordham University
- MA 2002 University of Chicago
- BA 2000 North Carolina Central University
Gerald Faulhaber

**Professor Emeritus of Business Economics and Public Policy, The Wharton School**

Gerald Faulhaber served as Chief Economist of the Federal Communications Commission (FCC) from 2000 to 2001. He is an expert in microeconomics, management, and the public policy aspects of technology and telecommunications firms. His current research focuses on wireless telecommunications, cybersecurity and the Internet of Things, public policy and the Internet, and the political economy of regulation. He also has experience in file sharing and music copyright, public safety radio, network neutrality, and the advent of cyber-civilization.

**Expertise**
- Applied Microeconomics, Industrial Organization, Network Neutrality for the Internet, File Sharing and Copyright Fair Use, Regulation, Spectrum Policy for Wireless Telecommunications, Telecommunications

**Education**
- PhD 1975, MA 1974 Princeton University
- MS 1964 New York University
- AB 1962 Haverford College

---

Joseph Harrington

**Patrick T. Harker Professor, Department of Business Economics and Public Policy, The Wharton School**

Joseph Harrington has published more than 90 articles, and his research has appeared in many leading journals, including the *American Economic Review*, *Econometrica*, *Journal of Political Economy*, and *Management Science*. His research focuses on collusion and cartels with the objectives of understanding collusive practices and designing competition policy to detect and deter collusion. This work is often at the interface of theory and practice and has been presented before numerous competition authorities, including those of Chile, the European Union, Japan, South Africa, and the United States. He has authored or co-authored three books or monographs on collusion: *How Do Cartels Operate?* (Now Publishers 2006), *The Theory of Collusion and Competition Policy* (MIT 2017), and *Hub-and-Spoke Cartels: Why They Form, How They Operate, and How to Prosecute Them* (MIT 2021); and two textbooks: *Economics of Regulation and Antitrust* (5th ed., MIT 2018) and *Games, Strategies, and Decision Making* (2d ed., Worth Publishers 2015).

**Expertise**
- Industrial Organization, Microeconomic Theory

**Education**
- PhD 1984 Duke University
- BA 1979 University of Virginia
Kartik Hosanagar
John C. Hower Professor; Professor of Operations, Information and Decisions, The Wharton School

Kartik Hosanagar’s research focuses on the digital economy, in particular on the impact of analytics and algorithms on consumers and society, Internet media, Internet marketing, and e-commerce. Hosanagar serves as a department editor at the journal Management Science and has previously served as a senior editor at the journals Information Systems Research and MIS Quarterly. He is a ten-time recipient of MBA or undergraduate teaching excellence awards at the Wharton School and has been recognized as one of the world’s top 40 business professors under 40. Hosanagar’s research has received several best paper awards. He co-founded and developed the core intellectual property for Yodle Inc., a venture-backed firm acquired by Web.com in 2016. He has served on the advisory boards of Milo (acquired by eBay) and is involved with many other startups as either an investor or board member. His past consulting and executive education clients include Google, American Express, Citi, and others. Hosanagar was a co-host of the SiriusXM show, The Digital Hour.

Expertise
Internet Advertising, E-Commerce, Digital Media

Education
PhD, MPhil 2003 Carnegie Mellon University
MS 1999, BS 1998 Birla Institute of Technology and Science

Michael Kearns
National Center Professor of Management and Technology, Computer and Information Science, School of Engineering and Applied Science; Co-founding Director, The Warren Center for Network & Data Sciences

Michael Kearns’s primary research interests are machine learning, probabilistic artificial intelligence, algorithmic game theory, and computational finance. Kearns integrates problems from these areas with methods from theoretical computer science and related disciplines. While the majority of his work is mathematical in nature, he has also participated in a variety of systems and experimental work, including spoken dialogue systems, software agents, and most recently, human-subject experiments in strategic and economic interaction. In 2019, he co-authored The Ethical Algorithm: The Science of Socially Aware Algorithm Design (Oxford 2019) (with Aaron Roth).

Expertise
Machine Learning, Algorithms and Complexity

Secondary Appointments
Economics Department, School of Arts and Sciences
Statistics Department and Operations, Information and Decisions Department, The Wharton School

Education
PhD 1989 Harvard University
BS 1985 University of California, Berkeley
Ani Nenkova
Associate Professor, Computer and Information Science, School of Engineering and Applied Science

Ani Nenkova’s main areas of research are computational linguistics and artificial intelligence with emphasis on developing computational methods for analysis of text quality and style, discourse, affect recognition, and summarization. Nenkova and her collaborators are recipients of the best student paper award at SIGDial in 2010 and best paper award at EMNLP-CoNLL in 2012. The Penn team co-led by Nenkova won the audio-visual emotion recognition challenge (AVEC) for word-level prediction in 2012. She is a co-editor-in-chief of the *Transactions of the Association for Computational Linguistics* (TACL). She was a member of the editorial board of *Computational Linguistics* (2009-2011) and an associate editor for the *IEEE/ACM Transactions on Audio, Speech and Language Processing* (2015-2018). Nenkova regularly serves as an area chair/senior program committee member for ACL, NAACL and AAAI. She was a program co-chair for SIGDial 2014 and NAACL-HLT in 2016.

**Expertise**
Artificial Intelligence, Computational Linguistics, Computational Methods

**Education**
PhD 2006 Columbia University
MA Sofia University

---

Aviv Nevo
George A. Weiss and Lydia Bravo Weiss University Professor; Professor of Marketing, The Wharton School; Professor of Economics, School of Arts and Sciences

Aviv Nevo draws from his experience across academic, governmental, and corporate sectors to address pressing real-world issues, opening pathways for a broader understanding of national and global economies. His past areas of research include health economics, health care, telecommunications, and real estate brokerages, as well as the demand for packaged goods and its implications for mergers and market power. Nevo served as Chief Economist of the Antitrust Division of the U.S. Department of Justice, advising attorneys on merger, civil, and criminal investigations in addition to leading the Division’s Economic Analysis Group.

**Expertise**
Industrial Organization, Econometrics, Marketing, Antitrust

**Education**
PhD 1997, AM 1994 Harvard University
BSc 1991 Tel Aviv University
Rakesh Vohra is an expert on mechanism design whose interdisciplinary work on game theory is at the intersection of engineering and economics. His research on allocation of scarce resources has been important in the advancement of game, pricing, and auction theory. Vohra holds primary appointments in the Department of Economics and the Department of Electrical and Systems Engineering along with a secondary appointment in the Department of Computer and Information Science. He came to Penn through the Penn Integrates Knowledge program, a University-wide initiative to integrate research across different educational disciplines. Prior to joining Penn, Vohra was the John L. and Helen Kellogg Professor of Managerial Economics & Decision Sciences at Northwestern University.

**Expertise**
Game Theory, Mechanism Design, Operations Research

**Secondary Appointments**
Computer and Information Science Department, School of Engineering and Applied Science

**Education**
PhD 1985 University of Maryland
MSc 1981 London School of Economics
BSc 1980 University College London

---

Joseph Turow’s research focuses on digital cultural industries, especially at the intersection of the Internet, marketing, and society. His expertise additionally covers database marketing, media and privacy, digital out-of-home media, the process of innovation in the mass media, and the relationship between media and the medical system. Turow is an elected fellow of the International Communication Association and received a Distinguished Scholar Award from the National Communication Association. He has authored 12 and edited five books and has written more than 150 articles on mass media industries. His most recent book is titled *The Voice Catchers: How Advertisers Listen In to Exploit Your Feelings, Your Privacy, and Your Wallet* (Yale 2021).

**Expertise**
Mass Media Policy, Social Impact of Digital Marketing on Society and Media, Sociological Theory

**Education**
PhD 1976, MA 1973, BA 1971 University of Pennsylvania
Kevin Werbach’s research focuses on the legal, business, and policy implications of emerging technologies. His interests include artificial intelligence and business analytics, blockchain and distributed ledger technologies, gamification (applying digital game design techniques to business), and telecommunications regulation. He co-led the review of the Federal Communications Commission (FCC) for the Obama transition team, served as counsel for New Technology Policy at the FCC during the Clinton Administration, and created the Supernova executive technology conference. Over 500,000 students worldwide have registered for his pioneering Coursera massively open online course (MOOC). Werbach was the editor of *After the Digital Tornado: Networks, Algorithms, Humanity* (Cambridge 2020). In 2018, he published *The Blockchain and the New Architecture of Trust* (MIT 2018).

**Expertise**

Internet Policy, Telecommunications Regulation, Law and Ethics of Big Data, Gamification, Blockchain

**Education**

JD 1994 Harvard Law School  
BA 1991 University of California, Berkeley
Thomas Fetzer
Dean Emeritus and Professor of Law, School of Law and Economics, University of Mannheim

Thomas Fetzer holds a Chair of Public Law, Regulation and Taxation at the University of Mannheim Law School in Germany. He is Academic Director of both the Mannheim Centre for Competition and Innovation (MaCCI) and the Leibniz Science Campus Mannheim Taxation (Mannheim Taxation). He is also an Adjunct Professor at the Mannheim Business School and a research associate at the Leibniz Centre for European Economic Research (ZEW) in Mannheim.

Education
Habilitation 2009, PhD 2000 University of Mannheim
LLM 2003 Vanderbilt Law School

Osagie Imasogie
Senior Managing Partner, PIPV Capital

Osagie Imasogie is the co-founder of PIPV Capital, an IP-based private equity firm. He has over thirty years of experience in law, finance, business management, health care, and the pharmaceutical industry. He currently teaches a course entitled Intellectual Property and National Economy Value Creation. He is a member of the Board of Overseers at University of Pennsylvania Carey Law School. He is also a member of the Executive Board of Trustees of the University of Pennsylvania.

Education
LLM 1985 University of Pennsylvania
LLM 1984 London School of Economics and Political Science
BL 1981 Nigeria Law School
LLB 1980 University of Ife, Nigeria
In 2006, Kent Jordan was appointed by President George W. Bush to serve as a U.S. Circuit Judge for the Third Circuit. Prior to that appointment, Judge Jordan served as a U.S. District Judge for the District of Delaware from 2002 to 2006. He was a law clerk for Judge James L. Latchum, U.S. District Court for the District of Delaware, and an Assistant U.S. Attorney for the District of Delaware where he served as its Civil Chief in 1991 and 1992. Prior to taking the bench, Judge Jordan served as an officer and as a member of the Boards of Directors of privately held businesses and was a partner in a Wilmington, Delaware law firm, with a practice focused on intellectual property, corporate law, and commercial litigation.

**Education**

JD 1984 Georgetown University Law Center  
BA 1981 Brigham Young University

Matthew Pearson’s area of expertise is in patent litigation in life sciences, including antibody therapies, pharmaceuticals, and biochemistry. Prior to entering private practice, Pearson clerked for two years for Judge Kent Jordan of the U.S. District Court for the District of Delaware and the U.S. Court of Appeals for the Third Circuit.

**Education**

JD 2005 University of Pennsylvania Carey Law School  
PhD 1999 Cornell University  
BS 1993 Michigan State University

---

**The Honorable Kent Jordan**  
U.S. Court of Appeals for the Third Circuit

**Matthew Pearson**  
Partner, Akin Gump Strauss Hauer & Feld LLP
From the food and beverage industry to the software and technology sector, Trevor Cloak acts as an advocate for clients operating in a variety of disciplines with respect to their intellectual property transactional, prosecution, enforcement, and litigation needs. He has experience representing clients in all aspects of intellectual property due diligence, and in drafting and negotiating technology, software, and software-as-a-service agreements. Cloak teaches Introduction to Technology Law and Ethics.

**Education**
JD 2008 Vanderbilt Law School  
BS 2005 Middlebury College

---

Lauren Steinfeld serves as Chief Privacy Officer for Penn Medicine and Assistant Vice President for Audit, Compliance and Privacy. In this position, Steinfeld leads and oversees the HIPAA compliance program and other privacy initiatives for Penn’s six hospitals, over 250 physician practices, and the School of Medicine research program. In addition, Steinfeld teaches a privacy law course at Penn Law with Professor Christopher Yoo. She has also co-taught a Coursera Regulatory Compliance Specialization, which has over 12,000 learners. She previously served as Chief Privacy Officer for the University of Pennsylvania.

Prior to joining Penn, Steinfeld worked at the Office of Management and Budget as the Associate Chief Counselor for Privacy. In this role in the Clinton Administration, she worked on drafting the HIPAA privacy rules as well on governmental data sharing, financial privacy, and ECPA privacy matters. She also served as Attorney Advisor to Federal Trade Commissioner Mozelle Thompson.

**Education**
JD 1992 New York University School of Law  
BA 1989 University of Pennsylvania, Phi Beta Kappa
Leon Gwaka
Research Fellow

Leon Gwaka’s research focuses on digital infrastructure transformation in resource-constrained communities and its impact on achieving the Sustainable Development Goals. He is currently involved with the 1 World Connected project under the supervision of Professor Christopher Yoo.

With funding from USAID and ResilientAfrica Network, Gwaka led the implementation of the MOSMAC project in Beitbridge, Zimbabwe, and conducted a critical impact assessment of this intervention for his PhD. The project was selected as one of the top ten BCFN Young Earth Solutions 2017. Between 2013-2015, Gwaka trained as a professional accountant in South Africa and taught taxation.

Education
PhD 2019 University of the Western Cape
M Tech 2015 Cape Peninsula University of Technology

Sangyong Han
Research Fellow

Sangyong Han’s primary research interests focus on the impacts of technological changes on telecommunications and media industries, policymakers, and overall society. His research usually involves analyzing a large volume of industry and social media data, but it also includes qualitative and historical insights on the industries and government policies. He worked on an FCC Broadband Deployment Advisory Committee project for Professor Christopher Yoo and has been working on comparative studies on broadband deployments around the world.

Han received his PhD in mass communications from Pennsylvania State University, where he participated in various research projects, including the National Science Foundation (NSF) Project: A National Research Agenda for Broadband at the Institute for Information Policy in the Donald P. Bellisario College of Communications. Before coming to the United States for his graduate studies, Han worked as a marketing director in the mobile Internet business field in Korea for six years.

Education
PhD 2016 Pennsylvania State University
MA 2009 Indiana University Bloomington
Müge Haseki
Research Fellow

Müge Haseki’s research concentrates on the multi-year 1 World Connected project, which focuses on the evaluation and assessment of connectivity initiatives around the world. Her research interests include information and communication technology (ICT) adoption and use in disadvantaged and underserved communities. Haseki has conducted research on the use of mobile health applications by pregnant women and health care workers in Nepal, mobile phone use by newly connected communities in Rwanda, ICT practices of immigrant women entrepreneurs in New York City, broadband adoption by communities of low-socioeconomic status in the United States, and social media use by media organizations in Afghanistan. Haseki was a USAID Research and Innovation fellow at the University of Cape Town in South Africa, where she worked on an ICT-for-development project. As a USAID Youlead! Fellow, Haseki worked on the entrepreneurship development program for youth in Sri Lanka.

Education
PhD 2016 Rutgers University
MA 2008 University of Wisconsin
BA 2006 Boğaziçi University

Himani Mehta
Research Fellow

Himani Mehta works on the 1 World Connected project under Professor Christopher Yoo. She is currently working on a large-scale longitudinal mixed-methods study to measure the effects of mobile Internet use on women’s socioeconomic well-being in Ghana and Bangladesh. Mehta has designed interventions tested through randomized control trials, conducted behavioral lab experiments, and developed panel surveys for data collection in Africa and South Asia through her time at Precision Agriculture for Development and the Center for Social Norms and Behavioral Dynamics. She uses econometric and statistical techniques for data analysis as well as qualitative research methods to study social norms. Before joining Penn, Mehta worked as a management consultant at Kearney in Singapore and Kuala Lumpur, where she advised large telecommunication providers on digital transformation projects and helped them develop better negotiation strategies for overall cost reduction.

Education
MBDS 2020 University of Pennsylvania
BTech 2018 Indian Institute of Technology Bombay
Sharada Srinivasan's research contributes to the 1 World Connected Project focused on the empirical validation of innovative initiatives that address supply-and-demand-side challenges to improve broadband adoption globally. Between 2016-2019, she helped develop 125 case studies on innovative community-level projects, studying their business models and relative cost effectiveness. Her recent work focuses on the impact of a telemedicine deployment in Vanuatu and on fixed wireless deployments in the United States.

Srinivasan has been an active participant in the intersessional work of the United Nations Internet Governance Forum. In 2018-2019, she co-led the production of the Connecting and Enabling the Next Billions - Phase IV final output report. She also served on the EQUALS Research Group (2017-2020) and the IEEE Humanitarian Activities Committee’s Projects and Assessment Subcommittee (2018-2019).

Srinivasan has engaged with regulatory barriers to Internet deployment in the developing world, cybersecurity, encryption policy, and network neutrality at internship stints with the Global Public Policy Institute in Berlin and the Centre for Internet and Society in Bangalore. She was an Amazon Fellow at the 10th UN Internet Governance Forum and a Global Internet Governance Fellow at the European Summer School of Internet Governance 2015.

Srinivasan joined the World Bank Group as part of its Young Professionals Program in fall 2019, where she currently works in the Digital Development Global Practice on issues relating to broadband adoption and data governance issues.

Education
MPP 2016 National Law School of India, Bangalore
BE 2014 Ramiah Institute of Technology, Bangalore

Caroline Olson
Managing Director

As Managing Director, Caroline Olson oversees the daily operations of the center and has been an important part of its growth and success. She has played a key leadership role in expanding CTIC’s programs, including student and practitioner-oriented events and social media strategy, and has provided innovative approaches to the growth and development of staff.

Olson brings a wealth of experience in law firm administration, organizational development, talent management, and public service to her position. She served as the Director of Attorney Recruitment at Dechert LLP for seven years, where she oversaw lateral and law school hiring as well as the attorney evaluation and compensation program. Before joining Dechert, Olson spent 15 years at Morgan, Lewis & Bockius LLP, where she ran global attorney integration, evaluation, and compensation, and lateral and law student recruitment, in addition to working in human resources. Prior to joining Penn, Philadelphia Mayor Michael Nutter appointed her Deputy Managing Director to lead strategic talent management and organizational development for the City of Philadelphia.

Education
BA University of Missouri, Columbia
Major Conferences

- Economics of Digital Services: A New Initiative to Promote Research on Digital Platforms
- Ninth Annual Global Patent Law Conference
- Fifth Annual Copyright Scholarship Roundtable
- *Journal of Law & Innovation* Symposium: Innovation in a Time of Crisis
- 14th Annual Penn Intellectual Property Group Symposium: America Invents Act - Mission Accomplished or Promise Unfulfilled?
Through a major grant by the Knight Foundation, CTIC and the Warren Center for Network & Data Sciences will award grants to scholars worldwide to support new research into the impact of data and algorithms on the business strategies of today’s digital platforms. The event convened a distinguished panel of experts to commemorate the launch of the pathbreaking Economics of Digital Services (EODS) initiative. The experts offered their perspectives on the kinds of research scholars and enforcement officials need to support effective policymaking, including in the antitrust regulation area.

Speakers

Maureen Ohlhausen  
Section Chair, Antitrust & Competition Law, Baker Botts; Former Acting Chairman, Federal Trade Commission

Howard Shelanski  
Professor of Law, Georgetown University Law Center; Former Director of the Bureau of Economics, Federal Trade Commission

Rakesh Vohra  
George A. Weiss and Lydia Bravo Weiss University Professor, University of Pennsylvania

Liad Wagman  
Professor of Economics, Stuart School of Business, Illinois Institute of Technology; Senior Economic and Technology Advisor, Federal Trade Commission

Christopher Yoo  
John H. Chestnut Professor of Law, Communication, and Computer & Information Science, University of Pennsylvania
The Ninth Annual Global Patent Law Conference was co-hosted online by the Waseda University Research Center for the Legal Systems of Intellectual Property Law and the Faculty of Law, Waseda University, and the Federal Circuit Bar Association. Distinguished judges and eminent scholars and practitioners from the United States, Japan, and other countries met to discuss comparative law issues in patent litigation and claim construction.

The first panel focused on the challenges that litigants and courts face in the United States and Japan when collecting evidence to secure success in patent disputes. Panelists also reviewed developments in patent law and practice, the difficulties and opportunities posed by the U.S. discovery process, and the recent introduction of the inspection claim in Japanese patent law. The second panel explored recent developments in patent claim construction in the United States and Japan, in particular the diverging developments in relation to the doctrine of equivalents.
Christopher Yoo, Ryu Takabayashi
The Hon. Koichi Tanaka, The Hon. Yoshiyuki Mori
Opening Remarks

Takashi Hakoi
Dean and Professor of Law, Waseda University School of Law

Deborah Miron
Executive Director, Federal Circuit Bar Association

Christopher Yoo
John H. Chestnut Professor of Law, Communication, and Computer & Information Science, University of Pennsylvania

Patent Litigation and Evidence Collection During the Pandemic

Moderator

Christoph Rademacher
Associate Professor, Waseda University

Speakers

The Honorable Leonard Stark
Chief Judge, U.S. District Court for the District of Delaware

The Honorable Koichi Tanaka
Presiding Judge, Intellectual Property Division, Tokyo District Court

The Honorable Scott Boalick BSE’87 PhD ‘92
Chief Judge, U.S. Patent Trial and Appeal Board

Tsuyoshi Sueyoshi
Partner, Yuasa and Hara

Robert Parker L’84
Member, Rothwell Figg
Patent Claim Construction and DoE

Moderator

Ichiro Nakayama
Professor, Hokkaido University Graduate School of Law

Speakers

The Honorable Yoshiyuki Mori
Presiding Judge, Intellectual Property High Court of Japan

The Honorable Sharon Prost
Chief Judge, U.S. Court of Appeals for the Federal Circuit

R. Polk Wagner
Michael A. Fitts Professor of Law, University of Pennsylvania
Carey Law School

Ryu Takabayashi
Professor, Waseda University

Michael Sandonato
Partner, Venable LLP
The Fifth Annual Copyright Scholarship Roundtable brought together the country’s leading copyright scholars for weekly discussions on research methodologies, perspectives, and issues related to copyright. Six papers were chosen for inclusion.
Copyright, Music, and Race: The Case of Mirror Cover Recordings
Robert Brauneis
Michael J. McKeon Professor of Intellectual Property Law, George Washington University Law School

The Untold Tale of Copyright in Mein Kampf—Lessons for Copyright Neutrality
Michal Shur-Ofry
Associate Professor of Law, Faculty of Law, Hebrew University of Jerusalem

Thirty-Six Views of Copyright Authorship, by Jackson Pollock
Dan Burk
Distinguished and Chancellor’s Professor of Law, University of California, Irvine School of Law

Withholding Injunctive Relief in Copyright Cases
Pamela Samuelson
Richard M. Sherman Distinguished Professor of Law, Professor of School Information, University of California, Berkeley

The Third Enclosure Movement and Restricting Access by License
Xiyin Tang
Assistant Professor of Law, University of California, Los Angeles School of Law

Design Patent Law’s Identity Crisis
Peter Menell
Koret Professor of Law, University of California, Berkeley
The COVID-19 pandemic has revealed challenging questions at the nexus of law and innovation. How policymakers respond to these novel issues in the coming months will have an immediate impact on innovation and society with ripple effects that will long outlast the current pandemic. Penn Law’s *Journal of Law & Innovation* (JLI) explored these issues at its fourth annual symposium.
Opening Remarks

R. Polk Wagner
Michael A. Fitts Professor of Law, University of Pennsylvania
Carey Law School

Controlling the Means of Innovation

Sean O’Connor
Professor of Law, George Mason University Antonin Scalia Law School

Commentator

R. Polk Wagner
Michael A. Fitts Professor of Law, University of Pennsylvania
Carey Law School

Encouraging Interagency Collaboration: Learning from COVID-19

Rachel E. Sachs
Associate Professor of Law, Washington University in St. Louis
School of Law

Commentator

Cary Coglianese
Edward B. Shils Professor of Law and Professor of Political
Science, University of Pennsylvania

Privacy and Contract Tracing Mobile Apps

Christopher Yoo
John H. Chestnut Professor of Law, Communication, and
Computer & Information Science, University of Pennsylvania

Apratim Vidyarthi L’22
University of Pennsylvania Carey Law School

Commentators

Anita L. Allen
Henry R. Silverman Professor of Law and Professor of Philosophy,
University of Pennsylvania

Lauren Steinfeld BA’89
Lecturer-in-Law, University of Pennsylvania Carey Law School;
Chief Privacy Officer and Assistant Vice President for Audit,
Compliance and Privacy, Penn Medicine

Social Media Self-Regulation and the Rise of Vaccine Misinformation

Ana Santos Rutschman
Assistant Professor, Saint Louis University School of Law

Commentator

Jennifer Rothman
Visiting Professor, University of Pennsylvania Carey Law School

Promoting Public Health Through State Sovereign Immunity

Sapna Kumar
Professor of Law, University of Houston Law Center

Commentator

David Abrams
Professor of Law, Business Economics, and Public Policy,
University of Pennsylvania Carey Law School

Closing Remarks

Zachary Furcolo L’21
University of Pennsylvania Carey Law School
Nearly a decade ago, the Leahy-Smith America Invents Act (AIA) reformed the patent system. The central changes of the Act—shifting patent priority assignment from “first-to-invent” to “first-to-file,” broadening the definition of prior art, and establishing new procedures for administrative review of patent validity—rearranged the rules for inventors and institutions. The symposium asked whether the AIA has lived up to its originally stated objectives. Participants analyzed each central change, identifying who has benefited and who has been disadvantaged, and examined the legislation’s impact on innovation and social welfare.
Event Introduction

Alicia Lai L’21
PIPG Co-President

Fireside Chat

Andrei Iancu
Former Director, U.S. Patent and Trademark Office (USPTO)

Mark Hankin L’92
Founding Partner, Hankin Patent Law

AIA’s Impact on Technology Transfer, University Innovation, and the Relation Between Academia and Commercial Industry

Cynthia Dahl
Practice Professor of Law, University of Pennsylvania Carey Law School

Benjamin Dibling
Deputy Managing Director, Penn Center for Innovation

Changing Visions of Innovation, Cost Savings, and Social Welfare Following AIA Switch

David Abrams
Professor of Law, Business Economics, and Public Policy, University of Pennsylvania Carey Law School

Mark Hankin L’92
Founding Partner, Hankin Patent Law

Sean McEldowney L’05
Partner, Kirkland & Ellis LLP

The Costs, Benefits, and Strategic Decision Making involved in Administrative Review Proceedings

Saurabh Vishnubhatat
Professor of Law, Texas A&M University School of Law

Marissa Ducca
Partner, Quinn Emanuel Urquhart & Sullivan LLP

Matthew Johnson
Partner, Jones Day

Closing Remarks

Robert McMullen L’22
PIPG Co-President
Events and Programs

Current and Emerging Issues in Law and Technology

Fireside Chat with USPTO Director Andrei Iancu

The Latest in Antitrust: The House Report, the Google and Qualcomm Cases, and Developments in the EU

COVID Vaccines for Developing Countries

What to Expect: Communications Law and Policy in 2021

The Future of Copyright Law: The CASE Act and Beyond

State of the Nation: Antitrust, Privacy, and Health Care Law and Policy in the Biden Administration
Current and Emerging Issues in Law and Technology
September 22, 2020

Penn Law faculty explored cases on the U.S. Supreme Court’s docket for the October 2020 term, newly enacted and pending legislation, and other major changes to the legal landscape affecting technology and innovation.

Speakers

Shyamkrishna Balganesh
Professor of Law; Co-Director, Center for Technology, Innovation and Competition, University of Pennsylvania Carey Law School

Cynthia Dahl
Practice Professor of Law, University of Pennsylvania Carey Law School

Herbert Hovenkamp
James G. Dinan University Professor, University of Pennsylvania

Christopher Yoo
John H. Chestnut Professor of Law, Communication, and Computer & Information Science, University of Pennsylvania
Fireside Chat with USPTO Director
Andrei Iancu
October 19, 2020

CTIC hosted a fireside chat with Andrei Iancu, Director of the U.S. Patent and Trademark Office and Under Secretary of Commerce for Intellectual Property. Topics covered included increasing patenting and innovation among underrepresented communities and striking the appropriate balance between innovation and access, especially related to pandemic-related health inventions.

Speaker
Andrei Iancu
Director of the U.S. Patent and Trademark Office (USPTO) and Under Secretary of Commerce for Intellectual Property

Moderator
Cynthia Dahl
Practice Professor of Law and Director of the Detkin Intellectual Property and Technology Legal Clinic, University of Pennsylvania Carey Law School
The Latest in Antitrust: The House Report, the Google and Qualcomm Cases, and Developments in the EU

December 2, 2020

The last few months in 2019 witnessed a flurry of activity in antitrust law, including the culmination of the House Judiciary Committee’s Digital Markets Investigation and its 400-page report, the U.S. Justice Department’s announcement of its case against Google, the Federal Trade Commission’s loss in its case against Qualcomm, and EU developments regarding Amazon and Apple. The panel explored these and other topics during a discussion of what the next few months of competition law may bring.

Speakers

**Herbert Hovenkamp**
James G. Dinan University Professor, University of Pennsylvania

**Aviv Nevo**
George A. Weiss and Lydia Bravo Weiss University Professor, University of Pennsylvania

**Christopher Yoo**
John H. Chestnut Professor of Law, Communication, and Computer & Information Science, University of Pennsylvania
As wealthy countries overcome their own hurdles to counter the COVID-19 pandemic, questions arise over how the rest of the world is faring. Facing challenges from innovation policy, infrastructure, and vaccine nationalism, developing countries are at risk of being left behind. This panel discussion endeavored to bring renewed focus to the solutions underway that aim to promote global public health and equitable access.

Opening Remarks

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

Speakers

Anthony Brown L’04 W’04
Senior Legal Counsel, Gavi, The Vaccine Alliance

Ruth L. Okediji
Jeremiah Smith, Jr. Professor of Law, Harvard Law School

Harvey Rubin PhD’74
Professor of Medicine, Professor of Computer and Information Sciences, University of Pennsylvania

Moderator

Anthony Tran L’22
University of Pennsylvania Carey Law School
What to Expect: Communications Law and Policy in 2021
March 23, 2021

Professors Kevin Werbach and Christopher Yoo discussed key communications law and policy issues likely to emerge in 2021. Topics included the need for greater broadband availability and adoption as revealed by the COVID-19 pandemic, calls for a new agency to regulate online platforms, the suspension of former President Trump’s Twitter account, growing bipartisan support for expanding liability of online intermediaries by amending the Communications Decency Act (Section 230), potential U.S./China technological decoupling, and the possible return of network neutrality.

Speakers

Kevin Werbach  
Professor of Legal Studies & Business Ethics, The Wharton School, University of Pennsylvania

Christopher S. Yoo  
John H. Chestnut Professor of Law, Communication, and Computer & Information Science, University of Pennsylvania
The Future of Copyright Law: 
The CASE Act and Beyond

April 6, 2021

When Congress passed the omnibus bill at the end of 2020, it also enacted the Copyright Alternative in Small-Claims Enforcement Act (CASE Act). The Act created the Copyright Claims Board as an alternative venue to resolve small claims of copyright infringement. Skeptics, however, fear that the Act, rather than resolving existing complications with online copyright infringement, will instead harm everyday users of the Internet. The panel of distinguished experts discussed the implications of the CASE Act as well as potential developments in copyright law such as Senator Thom Tillis’s proposed Digital Copyright Act (DCA).

Speakers

Alex Moss
Staff Attorney, Electronic Frontier Foundation

Abby Rives
IP Counsel, Engine

Rebecca Tushnet
Frank Stanton Professor of the First Amendment, Harvard Law School

Moderator

R. Polk Wagner
Michael A. Fitts Professor of Law, University of Pennsylvania Carey Law School
State of the Nation: Antitrust, Privacy, and Health Care Law and Policy in the Biden Administration

April 14, 2021

Participants reflected on President Biden’s one hundredth day in office. CTIC faculty members looked ahead at what changes his administration may bring to U.S. policy and law, with a focus on antitrust, privacy, and health care.

Speakers

Allison Hoffman
Professor of Law, University of Pennsylvania Carey Law School

Herbert Hovenkamp
James G. Dinan University Professor, University of Pennsylvania

Lauren Steinfeld BA’89
Lecturer-in-Law, University of Pennsylvania Carey Law School; Chief Privacy Officer and Assistant Vice President for Audit, Compliance and Privacy, Penn Medicine

Moderator

Christopher Yoo
John H. Chestnut Professor of Law, Communication, and Computer & Information Science, University of Pennsylvania
Student-Oriented Programs

Detkin Intellectual Property and Technology Legal Clinic

*Journal of Law & Innovation*

Career Speaker Series

Careers in Intellectual Property Panel

Cutting-Edge Degree Programs in Law and Engineering

CTIC Summer Public Interest Fellowships

CTIC and the Penn Intellectual Property Group

The Partnership for Entrepreneurial Engineering and Penn Law

New Law and Technology Student Organizations

Patent Law and IP-focused Clerkships
Detkin Intellectual Property and Technology Legal Clinic

The Detkin Clinic is unique among IP clinics nationwide in that it assumes a sizeable percentage of work from the University of Pennsylvania’s technology transfer office, known as the Penn Center for Innovation (PCI). Students support PCI’s efforts to analyze legal and business options and choose the best path to commercialize early-stage discoveries. This year, representative client projects included several mRNA-related technologies, a tumor detection technology, and a medical device to aid in the opioid epidemic.

The Detkin Clinic seminar also provides opportunities for law students to work with students from other schools at Penn that represent the types of professionals they will meet in practice, especially in business, technology, science, and the arts. Through simulations, shared classes, and shared clients, the students learn from their professional peers.

“I strongly believe in the power of IP to incentivize innovation, and disparities in economic opportunity lurk behind so many issues of injustice,” said Professor Dahl. “By supporting fledgling companies, which then create jobs and build economic value in communities, IP attorneys can have a powerful impact.”

Besides PCI, students represent entrepreneurial ventures, inventors, nonprofits, and individual artists and creators in a broad-based transactional practice. Students work with clients seeking to commercialize cutting-edge technologies and protect their innovation in a changing legal landscape. Increasingly, students have been called upon to grapple with issues surrounding privacy, protection and ownership of data, and authorship of product created through artificial intelligence. By facing these client counseling challenges even before they enter the profession, Penn Law students, through the Detkin Clinic, obtain the skills and flexibility they need to practice as IP and technology lawyers.
Created by CTIC and faculty run, the *Journal of Law & Innovation* is a year-long course that involves students in the publication of an annual scholarly volume and production of a symposium. Student members have the unique opportunity to work closely with faculty and explore one topic at the intersection of law and technology. The 2020-2021 topic was “Innovation in a Time of Crisis.”

During the fall semester, *Journal* students worked with faculty editors to read prominent legal scholarship on the topic and learned how to critically analyze legal scholarship. During the spring semester, they helped organize and run the symposium, worked with symposium authors to substantively edit their articles, and helped bring the volume to print before the end of the academic year. Faculty collaborated with the students throughout the course.

Tiffany Keung, a student in this year’s seminar, said, “Being a part of the *Journal of Law & Innovation* helped me find a friendly and enthusiastic community of students with shared interests in technology law and a diverse range of backgrounds that made the experience richer.” She commented that while editing the most recent volume, students were able to work closely with academics and engage with them substantively on their articles, which addressed pressing legal and policy questions in the midst of the pandemic. “I loved participating in the fall seminar—which seemed almost tailor-made for my interests and was made even better by students who were truly engaged in the topic, as well as Professor Wagner, who shared his expertise and thoughtfully engaged with our ideas,” she added.

**2020-2021 Editorial Board**

**Editor-in-Chief**
Zachary Furcolo L’21

**Board Members**

**Symposium Management**
William Nichols L’21

**Symposium Operations**
Emily Losi L’21

**Research and Publications Editor**
Alex Mueller L’21

**Community Relations**
Andrea Leelike L’21

**External Partnerships**
Jeffrey Turben L’21

**Senior Board Members**
Milad Emamian L’21
Alicia Lai L’21
Chrissy Pak L’21
Career Speaker Series

Each year, CTIC invites Penn Law alumni and other practicing attorneys to share with students their professional experiences and insights. CTIC was delighted to welcome these impressive guests in 2020-2021.

Paul Ford L’18
Associate, Perkins Coie LLP

Osagie Imasogie GL’85
Senior Managing Partner, PIPV Capital; Chair, Board of Overseers,
University of Pennsylvania Carey Law School

Randall Tritell L’77
Director, Office of International Affairs, Federal Trade Commission
Careers in Intellectual Property Panel

At this April 20, 2021, student event, leading IP legal professionals spoke about their work, career path, and the most challenging legal issues they have encountered. Participating were IP litigators and former or current general counsel in the film and television, aerospace, and market intelligence industries.

Speakers

**Stephanie Abrutyn L’91**
Former Senior Vice President & Chief Counsel, Litigation and Public Policy, WarnerMedia

**David Anderman L’94**
Former General Counsel, SpaceX

**Adam Hoffman**
Partner, Russ August & Kabat

**Amanda Samuel**
Associate General Counsel, S&P Global Markets Intelligence

**Moderator**

**Jennifer Rothman**
Visiting Professor of Law, University of Pennsylvania Carey Law School

Jennifer Rothman, Stephanie Abrutyn
Amanda Samuel, Adam Hoffman, David Anderman
Cutting-Edge Degree Programs in Law and Engineering

At a time when debates over technology policy are as significant as they are complex, Penn Law has developed one of the most comprehensive educational programs aimed at preparing students for careers at the intersection of law and technology.

In partnership with Penn School of Engineering and Applied Science (SEAS), the law school offers joint-degree programs in law and technology: JD/Master of Computing and Information Technology (MCIT), which requires no engineering or computer science background; JD/Master of Science in Engineering (MSE), which is intended for students with strong undergraduate backgrounds in engineering or computer science; and JD/PhD degrees. Each year, through its competitive Law and Tech Interdisciplinary Scholarship, CTIC awards $40,000 to up to three students to help offset tuition expenses for their additional year of study at Penn Engineering.

“The technology field has become much more demanding, said Christopher Yoo. “Penn's innovative joint degree programs are designed to create a new kind of professional with advanced training in both law and engineering.”

Penn Law also offers a Master in Law degree (ML) and a Certificate in Law for Penn students and professionals planning careers in technology and entrepreneurship, fields increasingly defined by regulation and innovation. Pairing the MCIT or the MSE with the ML degree results in a powerful combination.

“Since 2014, the ML program has educated SEAS students, entrepreneurs, and a diverse group of technologists in the law who are shaping and impacting this exciting field,” said Catharine Restrepo L’93, Executive Director of the ML Program. “The program gives students a deeper understanding of their work and its potential plus a tremendous advantage by helping them create value and opportunity—for themselves and entities and stakeholders they serve.”

Jinlin Ye L’22, CTIC’s most recent Interdisciplinary Scholarship recipient, is pursuing an MSE in Data Science along with his JD/MBA to better understand the application of data in the intersection of law and finance. “I am so excited for the opportunity,” he said, adding that he will be able “to develop the necessary knowledge to understand the power of data analytics in the context of law and finance.”
CTIC Summer Public Interest Fellowships

The CTIC Summer Public Interest Fellowship provides funding for Penn Law 1L and 2L students who secure internships with public interest or government organizations doing work in the technology policy, intellectual property, cyber law, privacy, and other areas. CTIC awarded 2021 summer public interest fellowships to Soojin Jeong and William Weber, both of whom completed their internships the summer following their first year at Penn Law.

Jeong worked at the Electronic Privacy Information Center (EPIC), a Washington, DC, public interest research center that focuses public attention on emerging privacy and civil liberties issues. EPIC provided her opportunities for substantive research and writing to advocate for the public, many of which involved cutting-edge technologies.

One of her favorite projects involved researching how artificial intelligence can reflect or reproduce existing biases in industries such as employment, education, health care, credit, and criminal justice. “The development of new technologies raises an endless array of interesting questions about how to apply existing laws or how to create new laws and regulations to protect privacy and democratic values,” she said.

Jeong is excited to continue engaging with privacy issues and technology at law school and in her career. “I look forward to the challenge of learning about new technologies, staying on top of regulatory news, and balancing various stakeholder interests while advocating for truth, fairness, equity, and accountability in technology,” she added.

As a CTIC Summer Public Interest Fellowship recipient, Weber spent the summer of 2021 at the Antitrust Division of the U.S. Department of Justice. He was assigned to the Defense, Industrials, and Aerospace Section which reviews mergers and brings enforcement actions in industries such as defense, avionics and aeronautics, industrial equipment, highway construction, mining, and waste.

Along with working on the case team, Weber helped review initial merger filings to identify transactions where the DOJ might want to conduct a deeper review. This part of the internship allowed him to learn about other industries and types of transactions the DOJ reviews for antitrust concerns.

“My experience was incredibly rewarding. I really enjoyed working with every member of my team and appreciated the extensive intern-specific programming set up to help teach us about antitrust law and the work of the DOJ (including a speaker series, economics training, and a mentorship program). I really appreciated both the opportunity to join the DOJ and the generous funding from CTIC,” he added.
CTIC enjoys a highly collaborative relationship with the Penn Intellectual Property Group (PIPG), a student group established in 2001. PIPG focuses on creating and supporting interest in intellectual property and technology law at Penn Law, throughout the university, and in the broader Philadelphia community. PIPG continues to expand its efforts, which include planning and holding career panels, academic symposia, and social events.

“As Co-President of PIPG, I watched our organization grow and thrive during the 2020-2021 virtual year, thanks to the board’s hard work and passion for this area of the law and CTIC’s unwavering support,” said Robert McMullen. “From panels on IP-focused clerkships to a fireside chat with a Moderna senior counsel, CTIC was integral in sourcing esteemed faculty and managing challenges.”

2020-2021 Leadership

Co-Presidents
Alicia Lai ’21
Robert McMullen ’22

Vice Presidents
Sonari Chidi ’22
Wesley Newton ’22

Symposium Co-Chairs
Gerald Adams ’22
Joshua Burd ’22
Nicolas Harris ’23

PEEPL Liaisons
Milad Emamian ’21
Andrea Christiani ’22

Managing Blog Editors
Sofia Bonfiglio ’21
Michael Gniwisch ’22
The Partnership for Entrepreneurial Engineering and Penn Law

The Partnership for Entrepreneurial Engineering and Penn Law (PEEPL) is a student-run legal counseling simulation supervised by Professor Cynthia Dahl. PEEPL pairs law students with teams of engineering students enrolled in the Engineering Entrepreneurship class at Penn’s School of Engineering and Applied Science.

The teams choose a real-world technology to develop into a simulated business, which they pitch to a panel of venture capitalists as a course capstone. The law students counsel the engineering teams during the semester, answering questions about protectability, licensing, and infringement of the technology.

The partnership has two goals. First, it allows law students to develop effective communication skills to navigate an increasingly interdisciplinary professional environment and consider legal decisions from a business model perspective. Second, it exposes engineering teams to the legal ramifications of their work and how to both consider and incorporate legal advice into their business decisions.

Milad Emamian L’21 and Andrea Christiani L’22 co-chaired PEEPL in the 2020-2021 academic year. “The PEEPL program demonstrates the power available in a collaborative design approach,” Christiani commented. “PEEPL is a unique, interdisciplinary, and immersive program that has allowed me to experience the lifecycle of client and business model counseling with an IP focus. This program encourages students to engage in ‘outside-the-box’ thinking—challenging them to transform the landscape of traditional interactions between the business and legal industries.”
New Law and Technology Student Organizations

Penn Law STEM Club
Penn Law STEM Club provides a space for science, technology, engineering, and math (STEM) majors and STEM-adjacent majors to adapt to the unique challenges in the law school and legal profession. The goal of this community of scientists is to connect Penn Law students who share similar academic backgrounds, help them prepare for a legal career that capitalizes on their technical abilities, and offer a social network of science-oriented law students.

Penn Law Antitrust Association
Founded in 2021, the Penn Law Antitrust Association (PLAA) provides a forum for students to research, analyze, and discuss antitrust-related matters through guest speakers, panels, and academic activities. It explores such topics as merger control, cartel and unilateral conducts investigations, interface between antitrust and other regulated areas, and hot topics, including those related to digital markets. Members have opportunities to network with professionals, scholars, and other students in the antitrust area, both at national and international level.
Patent Law and IP-focused Clerkships

On April 15, 2021, CTIC hosted a panel discussion about clerkships in the District of Delaware, Eastern District of Texas, Northern District of California, and Federal Circuit. Panelists provided their perspective about the utility of clerking generally and the application process for clerkship opportunities. While a STEM background is not essential for clerking in IP-focused courts, panelists stressed that students with one are well positioned for application success.

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

Panelists
R. Polk Wagner
Michael A. Fitts Professor of Law, University of Pennsylvania Carey Law School
Judah Bellin L’18
Associate, Dechert
Kaiyi Xe L’16
Associate, Davis Polk & Wardwell LLP
CTIC is proud of the Penn Law students and graduates who recently completed clerkships, are currently clerking, or are due to clerk for distinguished patent law judges:

- **Pratik Agarwal L’18**
The Honorable Jon P. McCalla, U.S. District Court for the Western District of Tennessee, 2020-21 Term

- **Lavi Ben Dor L’20**
The Honorable Kent A. Jordan, U.S. Court of Appeals for the Third Circuit, 2021-21 Term

- **Greg Bischoping L’18**
The Honorable Kent A. Jordan, U.S. Court of Appeals for the Third Circuit, 2020-20 Term

- **Michelle Bone L’19**
The Honorable James Donato, U.S. District Court of the Northern District of California, 2020-20 Term

- **Matt De Stasio L’18**
The Honorable Laura T. Swain, U.S. District Court for the Southern District of New York, 2019-20 and 2020-20 Terms

- **Michael Gniwisch L’22**
The Honorable Kent A. Jordan, U.S. Court of Appeals for the Third Circuit, 2023-24 Term

- **Robert Hampton L’18**
The Honorable Jimmie V. Reyna, U.S. Court of Appeals for the Federal Circuit, 2021-22 Term

- **Michael Hilyard L’22**
The Honorable Kent A. Jordan, U.S. Court of Appeals for the Third Circuit, 2022-23 Term

- **Kayla Katz L’20**
The Honorable Stanley R. Chesler, U.S. District Judge for the District of New Jersey, 2020-21 Term

- **Rhochelle Krawetz L’21**
The Honorable Timothy B. Dyk, U.S. Court of Appeals for the Federal Circuit, 2022-23 Term

- **Alicia Lai L’21**
The Honorable Kathleen M. O’Malley, U.S. Court of Appeals for the Federal Circuit, 2021-22 Term

- **Robert McMullen L’22**
The Honorable Raymond C. Clevenger III, U.S. Court of Appeals for the Federal Circuit, 2022-2023 Term

- **Steven Mills L’19**
The Honorable Yvonne G. Rogers, U.S. District Court Judge for the Northern District of California, 2021-22 Term

- **Victoria Ochoa L’22**
The Honorable Sarah Netburn, U.S. District Court Judge for the Southern District of New York, 2022-23 Term

- **Thomas Vaseliou L’19**
The Honorable Richard G. Taranto, U.S. Court of Appeals for the Federal Circuit, 2020-21 Term
Projects and News

The CTIC Team and COVID-19 Developments
Economics of Digital Services (EODS) Research Initiative
1 World Connected
Comparative Study of Chinese, EU, and U.S. Competition Law
CTIC Faculty and the American Law Institute (ALI)
Victory in the 13th Annual First Amendment and Media Law Diversity Moot Court Competition
Administrative Conference of the U.S. Project on Protected Materials in Public Rulemaking Dockets
Federal Communications Commission’s Broadband Deployment Advisory Committee
Special Master in National Football League Concussion Settlement
Awards for Teaching Excellence to Wagner and Dahl
Promises, Promises Podcast
Using Technology in Service of the Public Good
Right of Publicity Website
Selection of Penn Law Student for the 2021 ABA/AIPLA Jan Jancin Award for Excellence in Intellectual Property
Massive Open Online Courses: Intellectual Property Law Specialization
The CTIC Team and COVID-19 Developments

During the second academic year of the COVID-19 pandemic, CTIC faculty members contributed to the discourse, research, and study of unprecedented pandemic-related issues and challenges.

David Abrams amassed empirical data on COVID-19 and crime rates and launched the website Crime in Major U.S. Cities (citycrimestats.com), which began as crime tracker during the shutdown but has since become a source of criminal justice data from 27 major U.S. cities. Professor Abrams offered his analysis of this data in an article entitled COVID and Crime: An Early Empirical Look, which was published in the Journal of Public Economics in February 2021.

Tom Baker launched the website Covid Coverage Litigation Tracker (cclt.law.upenn.edu) in May 2021, which provides empirical research on insurance disputes and resolutions during the pandemic.

For Penn Law Today, Allison Hoffman explained the Families First Coronavirus Response Act (H.R. 6201), which was signed into law by President Trump on March 18, 2020, and its impact on food security, paid sick leave, and COVID testing. In May 2020, she co-wrote a paper entitled Long-Term Care Policy after Covid 19 – Solving the Nursing Home Crisis, published in the New England Journal of Medicine.

The Washington Post drew upon R. Polk Wagner’s patent law expertise in a May 2021 article about looming global patent disputes over the COVID-19 vaccine and the Biden Administration’s support of IP waivers. Professor Wagner explained that “foreign competition enabled by waivers… is unlikely to emerge until at least 2022” with supplies “likely to be aimed at developing nations that cannot afford the higher prices paid by wealthy countries.”

Tess Wilkinson-Ryan wrote two articles in 2020 for The Atlantic that covered different psychological stressors arising from the pandemic. Her first article covered the challenges of remote learning and the psychological tax on students. The second examined the psychological effect of vague and confusing guidelines on reopening businesses.

Christopher Yoo, along with Apratim Vidyarthi L’22, wrote an article entitled Privacy in the Age of Contact Tracing: An Analysis of Contact Tracing Apps in Different Statutory and Disease Frameworks. Additionally, Professor Yoo and CTIC fellows Müge Haseki and Leon Gwaka contributed to Education for the Most Marginalised Post-COVID-19: Guidance for Governments in the Uses of Digital Technologies in Education, a November 2020 report issued by the UNESCO Chair in ICT for Development.
Economics of Digital Services (EODS) Research Initiative

On November 3, 2019, the Knight Foundation awarded CTIC and Penn’s Warren Center for Network & Data Services a $350,000 three-year grant to fund new independent research into the impact of data on the business strategies of digital platforms. Since then, this pathbreaking project has been well underway.

The interdisciplinary project explores two areas: digital platforms’ greater reliance on algorithms and data, and the economic implications of vertical integration and other emerging business models used by technology companies. According to project co-leader Christopher Yoo, “the goal of the EODS initiative is to develop a better understanding of the market dynamics for online services and the business strategies digital platforms are pursuing.” He added that the new research “will result in a stronger foundation for antitrust enforcement and regulatory intervention in today’s evolving digital markets.” Joining Professor Yoo as co-leader is Rakesh Vohra, the George A. Weiss and Lydia Bravo Weiss University Professor of Economics and Electrical and Systems Engineering and the Warren Center’s founding director.

Professors Yoo and Vohra kicked off the project with a virtual event in October 2020 titled Economics of Digital Services: A New Initiative to Promote Research on Digital Platforms. The event featured legal, economics, and technology experts who offered their perspectives on which areas of research would best support relevant and effective policymaking for digital markets.

After a competitive grant application process, CTIC and the Warren Center selected nine projects led by scholars from various Penn schools and other U.S. and international academic institutions. The grantees and their projects were announced in December 2020. The projects cover digital advertising, blockchains and smart contracts, ad-blocking and anti-tracking, search engines, cloud computing, value of social media, data neutrality, big data and employment, and the value of technology releases in the Apple iOS app ecosystem.

This first phase of the initiative will conclude in fall 2021 with the release of full papers, an EODS blog with articles by the researchers, and a symposium where findings will be presented and discussed among initiative leaders and researchers. The second phase will follow with a call for grant applications covering new research areas for 2022.
1 World Connected

The 1 World Connected initiative was launched in 2016 to provide an empirical foundation to efforts to close the global digital divide. Only a little more than half of the world’s nearly eight billion people are currently able to enjoy the benefits of Internet connectivity. The data gathered from 1 World Connected’s research projects provide key decisionmakers like government departments and international non-government organizations with a data-driven foundation for determining what really works to bring the unconnected online.

Increasing Connectivity

1 World Connected’s initial work focused on creating databases of the technologies and business models used to establish connectivity. More recent studies have explored the use of municipal fiber and fixed wireless to connect people in smaller cities and rural areas in the United States, information that is critical when allocating the $65 billion Bipartisan Infrastructure Fund recently enacted into law. Another study presented in February 2021 examined efforts to extend availability of the Internet in tribal lands. Other ongoing work includes studying the potential for an emerging approach known as community networking, which leverages local resources and engagement. To help share these learnings, 1 World Connected served as the lead convenor of the Dynamic Coalition on Innovative Approaches to Connecting the Unconnected created as part of the United Nations Internet Governance Forum. In addition, the Office of the UN Secretary-General’s Envoy on Technology invited Christopher Yoo to participate in the Roundtable on Global Connectivity as part of the High-Level Panel on Digital Cooperation.

Gender

1 World Connected’s work has expanded to include the social benefits created by extending connectivity. The most recently completed research project is a study titled the Impact of Mobile Internet Uptake on Women in Bangladesh and Ghana in partnership with the GSMA. The study examined the impact of mobile Internet adoption and use utilizing a novel well-being index. Results revealed certain mobile Internet use patterns and effects on well-being that were not previously reported. The study also examined the differences between men and women regarding Internet use, the positive and negative impacts of mobile connectivity, the mechanisms through which mobile Internet connectivity delivers this impact, and the role social norms play in the process. 1 World Connected also contributed to the study Accelerating Female Leadership in the Digital Economy: What Does the Data Tell Us?
**Education**

Education represents another major focus for 1 World Connected. For example, the tribal lands paper discussed above contains an evaluation of the impact of Internet connectivity on educational outcomes. In addition, Professor Yoo served as a Core Team member for the report on Technology and Education for the Most Marginalised Post-COVID-19 led by UNESCO Chair in ICT4D, in which the 1 World Connected team co-authored a chapter of the Report and a key Guidance Note on connectivity. This past year, Professor Yoo was named an external expert and advisor for the UN Working Group on School Connectivity, which also serves as an advisory group for GIGA, a UNICEF and ITU-backed project centered on global school connectivity that aims to connect every school to the Internet by 2030.

**Health**

At the Global Digital Health Forum 2020, CTIC fellow Müge Haseki presented on socio-technical gaps and maternal health outcomes of two mHealth projects in South Asia. The presentation was derived from *Characteristics of At-Scale mHealth Projects in the Global South: A Case Study Approach*, a 1 World Connected study and 2019 paper written by Haseki, CTIC fellow Sharada Srinivasan, and Professor Yoo. The aim of the study was to gain a deeper understanding of the long-term use and impact of mobile health services. The project evaluated five health projects at different levels of scale in five countries to understand in what ways the scaled projects are similar or different than those that did not scale. The team is also pursuing ongoing longitudinal work in on health projects in Nepal and Vanuatu.

**The Project Continues**

The 1 World Connected team will continue to produce research material, including publications, policy briefs, videos, and podcasts, and participate in prestigious forums such as The Research Conference on Communications, Information and Internet Policy (TPRC) and the Global Digital Health Forum. CTIC will also continue its collaborations with numerous international organizations to promote Internet adoption. These include GSMA Mobile for Development Foundation, Broadband Commission for Sustainable Development, and EQUALS: The Global Partnership for Gender Equality in the Digital Age.

Looking ahead, CTIC fellow Leon Gwaka sees more opportunities for the 1 World Connected project. As he explained, “Many new connectivity initiatives have been and are being commissioned before and in response to COVID. Our work is to profile these to produce empirical evidence on what really works.”
In recent years, antitrust has emerged as one of the most important and dynamic areas of law, particularly with respect to high technology industries. At the same time, competition law has become global as China and the European Union have become increasingly important enforcement authorities. The United States, European Commission, and China have brought cases against big tech companies and are in the process of considering legislation that would reform the way competition law principles would apply to digital platforms.

To help contribute to these debates, CTIC initiated a multi-year research project to compare how key antitrust issues are handled in China, the EU, and the United States. Phase one of the project focused on due process in antitrust enforcement. The resulting research had a significant impact on the U.S. Justice Department Antitrust Division and its Multilateral Framework on Procedures, the Framework for Competition Agency Procedures of the International Competition Network (ICN), and the Recommendation on Procedural Fairness of the Organization for Economic Cooperation and Development (OECD). Christopher Yoo and Yong Huang, Professor and Director of the Competition Law Centre at the University of International Business and Economics and member of the Expert Advisory Committee under the Anti-Monopoly Commission of China’s State Council, presented their findings on October 14, 2020, in an online event moderated by Weiwei Shen GL’12 GRL’18, Associate Professor and Director of the Center for Legal Research on Big Data and Artificial Intelligence at the China University of Political Science and Law.

Phase two examines the antitrust issues posed by big data. As legislative proposals have taken an increasingly regulatory turn, the research team laid the foundation for a series of research papers applying insights from the research on past regulatory interventions to evaluate different aspects of current proposals that should appear during the 2021-22 academic year.

Professor Yoo noted that the response to the program has been overwhelming. “It has attracted interest from enforcement authorities and companies in all three jurisdictions, all of which recognize the need for this type of comparative research.”

The initiative also draws on the expertise of Thomas Fetzer, Dean Emeritus and Professor of Law at University of Mannheim’s School of Law and Economics. The project is supported by Penn Global’s China Research and Engagement Fund and corporate contributors.
CTIC Faculty and the American Law Institute (ALI)

The American Law Institute (ALI) is an independent organization that produces scholarly work to clarify, modernize, and improve the law. It currently has 2,900 elected members, including lawyers, judges, and academics. Several CTIC faculty are elected members of ALI and play key roles in ALI projects.

During the 2020-2021 academic year, Christopher Yoo served as a Consultant and Member of the Board of Advisers for the joint ALI-European Law Institute (ELI) Project on Principles for a Data Economy, which is studying, identifying, and collating a set of transnational principles applicable to data transactions. The ALI membership adopted the Principles at its 2021 Annual Meeting, and the ELI Council and membership followed suit in September 2021.

Anita Allen and Professor Yoo served as Members of the Board of Advisers on the Principles of the Law, Data Privacy, published in December 2020.

Jennifer Rothman is a Member of the Board of Advisers on the Restatement of the Law (Third) of Torts: Defamation and Privacy initiated in January 2019.

Other CTIC faculty have played major roles in past projects. Tom Baker served as one of the Reporters for the Project on Restatement of the Law, Liability Insurance, completed in 2019. David Hoffman has been an elected ALI member since 2011.
Victory in the 13th Annual First Amendment and Media Law Diversity Moot Court Competition

Tiffany Keung L’22 and Apratim Vidyarthi L’22 won the 13th Annual First Amendment and Media Law Diversity Moot Court Competition, presented by the American Bar Association Forum on Communications Law. The pair also won “Best Brief.”

“We were incredibly lucky to receive guidance and moot court feedback from Mike Berry at Ballard Spahr, our ABA appointed mentor, as well as from Professors Polk Wagner and Jennifer Rothman,” said Keung.

The annual competition introduces minority law students to the practice of media law and connects participants to practicing lawyers active in the communications law bar. Teams of two students are given a set of hypothetical facts surrounding a hypothetical case involving a national communications law issue for which they then submit an appellate brief and, if qualifying, present oral argument.

Competition finalists are offered summer employment opportunities with ABA Forum sponsoring organizations that include top law firms, media companies, and First Amendment nonprofits, as well as cash prizes for best brief, oral argument, and overall winners.

The 2021 competition, held entirely remotely, covered topics surrounding traditional media law issues as well as digital media and regulatory advocacy. Partners at top law firms, in-house counsel at major media companies, and members of the judiciary served as the competition’s judges.

“Apratim and I were both interested in this moot court competition because it dealt with issues of technology, privacy, and free speech, and we both worked in the tech space before law school,” said Keung. “The fact pattern and legal issues dealt with whether an online forum user could be held liable for the defamatory allegations made by another anonymous forum user.”

The first round of the competition included a blind judging of the submitted briefs; the four highest-scoring teams moved on to the semifinal round. The “Best Brief” is awarded to the highest-scoring individual brief with a $1,000 cash prize for each team member. At the semifinal round, competitors presented their case before a panel of communications lawyers. The four individual competitors with the highest combined brief and oral argument scores moved on to the final round where they argued the case before a panel of prominent sitting judges.

“It was a fascinating topic that brought together some of the 1L classes that Apratim and I took together such as civil procedure and Internet Law,” added Keung.
Administrative Conference of the U.S. Project on Protected Materials in Public Rulemaking Dockets

The Administrative Conference of the United States (ACUS) asked Christopher Yoo and Cary Coglianese to conduct research that served as the bases for recommendations it adopted in December 2020.

The first project, on “Protected Materials in Public Rulemaking Dockets,” was motivated by how the greater opportunity for the public to participate in governmental processes made possible by the Internet has heightened the risks of online disclosure of personally and commercially sensitive information. Agencies must now strike a balance between the need to promote governmental transparency and the obligation to protect individual privacy. The report, written by Professor Yoo, was released on November 24, 2020.

The second project, on “Agency Use of Artificial Intelligence,” explores the questions agencies should consider when deploying artificial intelligence. These include potential bias, transparency, procedural due process, capacity building, and delegation. The Conference commissioned Professor Coglianese to write a report on “A Framework for Governmental Use of Machine Learning,” which was released on December 8, 2020.

Federal Communications Commission’s Broadband Deployment Advisory Committee

During the 2020-21 academic year, Christopher Yoo completed his second two-year term as a member of the Federal Communications Commission’s (FCC’s) Broadband Deployment Advisory Committee (BDAC).

The BDAC’s mission was to provide advice and make recommendations to the FCC on how to accelerate the deployment of high-speed Internet access by reducing and removing regulatory barriers to infrastructure investment. Professor Yoo served as a BDAC member from its inception in January 2017 through the conclusion of its work in March 2021.

Building on his prior service on the Working Group charged with drafting a State Model Code for Accelerating Broadband Infrastructure and Investment and the Ad Hoc Committee on Rates and Fees, Professor Yoo focused his more recent efforts on the Working Group for Increasing Broadband Investment in Low-Income Communities. The Working Group concentrated on both deployment and adoption, paying particular attention to insights drawn from responses to the COVID-19 pandemic. The BDAC adopted its report and recommendations in December 2020.

“High-speed Internet access creates undeniable economic, educational, and health benefits for users,” said Professor Yoo. “The FCC has already incorporated important elements of the BDAC’s recommendations into its official work. We hope that our further efforts can help identify additional ways to provide expanded Internet access to citizens across the country.”
Special Master in National Football League Concussion Settlement

On March 5, 2020, the U.S. District Court for the Eastern District of Pennsylvania appointed David Hoffman to serve as a special master to oversee the agreement settling the litigation between the National Football League (NFL) and some of its retired players over concussion injuries.

The litigation centers on the retired players’ claims that repetitive traumatic head injuries from their football careers have caused, or will likely cause, long-term neurological issues. The lawsuit contends that the NFL was negligent for failing to warn players of the risks.

Professor Hoffman’s duties as a special master include oversight of determinations that individuals are proper members of the settlement class, monetary and derivative claimant awards, compensation and expenses for litigation-related administrators, benefit levels, and adjudication of motions related to settlement implementation.
Awards for Teaching Excellence to Wagner and Dahl

Penn Law recognized CTIC faculty members R. Polk Wagner and Cynthia Dahl for teaching excellence in the 2020-2021 academic year.

Professor Wagner received the A. Leo Levin Award for Excellence in an Introductory Course for his in-person teaching of contracts as well as intellectual property, among other classes. Students remarked that he encouraged them to discuss their “own opinions of the cases” and “think like lawyers,” and made himself available “nearly 24/7.”

Professor Dahl received the Experiential Teaching Award for her teaching and leadership. Students described her as “incredible” and “supportive,” stating that her “supervision is unparalleled” as the leader and facilitator of the Detkin Intellectual Property and Technology Legal Clinic, a “teaching law firm” at Penn Law that allows lawyer-supervised students to provide pro bono transactional intellectual property counsel to individual, for-profit, and non-profit clients.
The virtual teaching format required by the COVID-19 pandemic inspired Tess Wilkinson-Ryan and David Hoffman to experiment with an innovative approach to help bring the material they are teaching to life. Starting in 2020, they supplemented 1L lectures with their new podcast, Promises, Promises. The podcast highlights important cases in contract law. Each episode covers a different case, walking students through the important aspects of the decision and legal reasoning. Episodes covered Hoffman v. Red Owl Stores (Wisconsin promissory estoppel), Vokes v. Arthur Murray Dance Studios (student’s claim for rescission on a contract for dance lessons), and Alaska Packers v. Domenico (pre-existing duty rule and economic duress), among other cases.

Promises, Promises was renewed for its second year. The podcast is available on all major podcast streaming platforms.
Using Technology in Service of the Public Good

In 2020, University of Pennsylvania joined the Public Interest Technology University Network (PIT-UN), a group of thirty-six colleges and universities committed to building the nascent field of public interest technology and educating a new generation of civically engaged technologists.

Leading the Penn PIT-UN initiative, in partnership with the Provost’s Office, is Christopher Yoo and Michael Delli Carpini, Faculty Director of the Stavros Niarchos Foundation Paideia Program (SNF Paideia) and the Oscar H. Dandy Professor of Communication and Democracy at Annenberg School for Communication. The initiative integrates technology, public policy, business, law, ethics, governance, and social justice. In an interview, Professor Yoo stated that “academic disciplines have historically been siloed,” particularly STEM studies, which have been “singularly focused on technical topics.” Academic institutions have increasingly recognized that this focus does a disservice to society, he explained.

Professors Yoo and Carpini formed a steering committee of Penn faculty and student representatives to identify ways to introduce ethics and social impact into existing classes and to develop new ones dedicated to public interest technology. Affiliated with the greater PIT-UN initiative at Penn, PIT@Penn is a new student organization reflecting the mission of PIT-UN with a specific emphasis on career pipelines. The organization hosts a variety of events ranging from career speaker panels to skill sharing workshops.

In spring 2021, Professor Yoo and senior lecturer Brit Shields taught *Technological Innovation and Civil Discourse in a Dynamic World*, a SNF Paideia designated course that will help ready Penn undergraduates for cross-disciplinary dialogue and civil discourse grounded in technical expertise, cultural context, and inclusivity to optimize the benefits of emerging technologies.

PIT-UN also awarded a team of Penn faculty a grant for “The Penn-CMU Digital Health Privacy Initiative.” The initiative’s overarching goal is to advance research, training, and policy to address the privacy and discrimination risks from online digital health tracking and profiling.
Right of Publicity Website

In spring 2021, Jennifer Rothman arrived at Penn Law as a visiting professor. Her scholarly interests in intellectual property, particularly in the right of publicity area for which she is considered one of the world’s leading experts, naturally led her to affiliate with CTIC.

The right of publicity is an intellectual property right that protects against the misappropriation of a person’s name, likeness, or other aspects of their identity for commercial purposes. The law covering right of publicity varies widely from state to state. To clarify the law and its application, Professor Rothman created Rothman’s Roadmap to the Right of Publicity, a website that provides an interactive overview of each state’s right of publicity laws, reports on breaking news, and provides commentary (www.rightofpublicityroadmap.com).

In the introduction of her book, The Right of Publicity: Privacy Reimagined for a Public World published by Harvard University Press in 2018, Professor Rothman makes clear her view on people’s right of publicity: “We all live our lives in public. But by doing so we should not become public property.”

Jennifer Rothman
Selection of Penn Law Student for 2021 ABA/AIPLA Jan Jancin Award for Excellence in Intellectual Property

Alicia Lai L’21 received the 2021 Jan Jancin Award sponsored by the American Intellectual Property Law Association and the American Bar Association’s Section of Intellectual Property Law. The award is given to the law student from a diverse background who best exemplifies excellence in the field of intellectual property law through their employment experience, coursework, leadership of intellectual property law student organizations, and published writings on intellectual property law topics.

“I’m honored to have been nominated and selected for the Jan Jancin Award,” said Lai. “I feel so fortunate to have had the opportunity to meld my background in science, art, and technology in the fascinating, dynamic world of intellectual property law.”

Lai served as co-president of the Penn Intellectual Property Group and co-chaired the CTIC-sponsored 13th Annual Penn Intellectual Property Group Symposium. She was the senior editor of the *Journal of Law & Innovation* and articles editor for the *University of Pennsylvania Law Review*. She was the sole author of articles in such distinguished venues as *Scientific American* and co-authored works with CTIC faculty members Christopher Yoo, Cary Coglianese, and Osagie Imasogie GL’85. She also conducted pro bono work for Volunteer Lawyers for the Arts.

Her education and work experience before attending Penn Law demonstrated a strong interest in and commitment to intellectual property. She received an A.B. in neuroscience from Princeton University and spent summers interning in Pfizer’s legal department and in the IP practice in Jones Day’s Shanghai office. She also worked at the Princeton Neuroscience Institute and the Montefiore-Einstein Center for Bioethics in New York City, and cofounded a medical device cybersecurity start-up.

She has accepted clerkships with the U.S. Court of Appeals for the Federal Circuit and the U.S. District Court for the Northern District of California after her graduation.

Lai emphasized her gratitude for Penn Law’s institutional support. “Conferring and coauthoring with leading scholars on contemporary issues—artificial intelligence regulation, IP theft, and vaccine waivers, among others—has been such an incredible experience.”

Lai will be recognized in person at the AIPLA’s annual meeting in October 2021.
Massive Open Online Courses: Intellectual Property Law Specialization

Penn Law offers eight massive open online courses (MOOCs) on intellectual property on the Coursera platform that bring legal education to learners beyond the traditional pool of JD, LLM, and ML candidates. Working alongside the Legal Education Programs team, Michael Knoll and R. Polk Wagner recruited top Penn Law standing, clinical, and adjunct faculty to produce innovative courses that allow non-attorneys to obtain a practical legal education in intellectual property law and regulatory compliance. The offerings are a response to a steep increase in the demand for legal knowledge by professionals across industries.

Four of the eight classes comprise the Intellectual Property Law Specialization: Patent Law and Introduction to Intellectual Property, both taught by Professor Wagner; Copyright Law, taught by Shyamkrishna Balganesh; and Trademark Law, taught by Cynthia Dahl. Through these courses, students learn about different U.S. intellectual property rights and their application to innovations. Drawing from that knowledge, students work to develop a trademark strategy for a company, analyze a patent document, and address a copyright cease-and-desist request. The hands-on projects provide students with the necessary framework to develop integrated intellectual property strategies that align with an organization’s core business goals.
CTIC thanks its supporters:

Amazon.com, Inc.
Charter Communications, Inc.
Comcast Corporation
Google LLC
GSMA
John S. and James L. Knight Foundation
NCTA – The Internet and Television Association
Penn Global