



Northwestern | Kellogg  
School of Management

**Thirteenth Annual Conference on  
Innovation Economics**

**USPTO/ Kellogg School of Management/  
Northwestern Center on Law, Business, and Economics**

**Thursday, August 27, 2020 — Friday, August 28, 2020**

*WebEx Virtual Conference*

**This conference is organized by Daniel F. Spulber, Kellogg School of Management,  
Northwestern University**

*All times listed are CDT (Central Daylight Time)*

**Thursday, August 27<sup>th</sup>**

9:00 a.m.      **Registration Log-on**

9:15-9:30      **Welcome and Introduction to the Conference**  
**Daniel F. Spulber**, Kellogg School of Management, Northwestern University  
**Andrew Toole**, Chief Economist, United States Patent and Trademark Office

9:35-11:30      **Session One — Intellectual Property**  
Session Chair: **Scott Kominers**, Harvard Business School

*Effect of Technical Competition on Patent Collateralization for Debt Financing*  
**Tianyuan Cai**, Pomona College

Discussant: **Alberto Galasso**, Rotman School of Management, University of Toronto

*Borrowing against the (Un)Known: The Value of Patent Portfolios*

**David Heller**, Max Planck Institute for Innovation and Competition\*

**Andrej Gill**, Department of Economics and Business Administration, Johannes Gutenberg University Mainz

Discussant: **Nicholas Rada**, United States Patent and Trademark Office

*Examination Incentives, Learning, and Patent Office Outcomes: The Use of Examiner's Amendments at the USPTO*

**Charles A. W. de Grazia**, University of London, Royal Holloway College and United States Patent and Trademark Office\*

**Nicholas A. Pairolo**, United States Patent and Trademark Office

**Mike H. M. Teodorescu**, Boston College, Carroll School of Management and Harvard Business School

Discussant: **Pere Arque-Castells**, Innovation Management and Strategy Department, University of Groningen

*Network-Mediated Knowledge Spillovers in ICT/Information Security*

**Neil Gandal**, Berglas School of Economics, Tel Aviv University\*

**Nadav Kunievsky**, Department of Economics, The University of Chicago

**Lee Branstetter**, Carnegie Mellon University, Heinz College

Discussant: **Imke Reimers**, Northeastern University

#### 11:35-12:30 **KEYNOTE ADDRESS**

Introduction: Daniel F. Spulber

Keynote Speaker: **Makan Delrahim**, Assistant Attorney General for the Antitrust Division, U.S. Department of Justice

#### 12:35-2:00 **Session Two — International Aspects of Innovation**

Session Chair: **Christian Helmers**, Santa Clara University

*Cross-Border Institutions and the Globalization of Innovation*

**Bo Bian**, Sauder School of Business, University of British Columbia\*

**Jean-Marie Meier**, Jindal School of Management, University of Texas at Dallas

**Ting Xu**, University of Virginia, Darden School of Business

Discussant: **Mercedes Campi**, CONICET - University of Buenos Aires, Faculty of Economics, IIEP-Baires

*GDPR (Europe's General Data Protection Regulation) and the Localness of Venture Investment*

**Liad Wagman**, Stuart School of Business, Illinois Institute of Technology\*

**Jian Jia**, Stuart School of Business, Illinois Institute of Technology

**Ginger Zhe Jin**, University of Maryland

Discussant: **Mario Daniele Amore**, Bocconi University

*Patent Litigation in the Beijing Courts: The Impact of Party Nationality and Procedural Reform*

**Jin Cao**, Norges Bank, the Central Bank of Norway \*

**Chenguo (Coco) Zhang**, KoGuan Law School, Shanghai Jiao Tong University;

and Centre for European Law and Politics, University of Bremen

Discussant: **Huiyan Zhang**, Heinz College, Carnegie Mellon University

2:05-3:30

### **Session Three — Public Policy toward Technology Standards**

Session Chair: **Michelle Saksena**, United States Patent and Trademark Office

*Cooperation, Competition and Patents: Understanding Innovation in the Telecommunication Sector*

**Tatiana Rosa**, CEMFI

Discussant: **Pedro Schilling-De-Carvalho**, University of Cambridge - Sidney Sussex College

*Standard Setting Organizations and Networked Oligopolies in General Equilibrium*

**Avik Chakrabarti**, Department of Economics, University of Wisconsin, Milwaukee\*

**Hamid Beladi**, University of Texas at San Antonio

Discussant: **Alexei Alexandrov**, Wayfair

*A Tale of Two IPs in China: Linking Intellectual Property and Industrial Policy Through Standard Essential Patents*

**Philip Rogers**, UC Berkeley Political Science Department

Discussant: **Chenguo (Coco) Zhang**, Centre for European Law and Politics, University of Bremen

3:35-5:00

### **Session Four— PANEL DISCUSSION: Prospects for the Protection of Intellectual Property Rights**

**Overview** *Are protections for IP rights getting weaker or stronger? The panel will discuss how the protection of IP rights has evolved over the last two decades. The panel will examine public policies toward Standard Essential Patents (SEPs). The panel will consider key legal cases such as eBay on injunctions and various decisions on patent subject matter eligibility. The panel will also note other developments that affect IP such as the USPTO's Patent Trial and Appeal Board (PTAB). Finally, the*

*panel will consider prospects for the protection of IP rights in the future.*

Session Chair **Bruce Kobayashi**, Antonin Scalia School of Law, George Mason University

**Alan Marco**, former Chief Economist, United States Patent and Trademark Office; School of Public Policy, Georgia Institute of Technology

**Mark Snyder**, Vice President and Patent Counsel, Qualcomm Incorporated

**Jonathan Barnett**, Gould School of Law, University of Southern California

**Saurabh Vishnubhakat**, School of Law, Dwight Look College of Engineering, Texas A&M University

**Lawrence White**, Stern School of Business, New York University  
*A “Primarily Property” Presumption Is – Still – Really Needed for the IP/Antitrust Interface*

5:00 Adjourn

### **Friday, August 28<sup>th</sup>**

9:00-11:00 **Session Five— The Market for Patents and Patent Licensing**

**Session Chair: Daryl Lim**, The University of Illinois at Chicago, John Marshall Law School

*When Do Firms Trade Patents?*

**Jung H. Kwon**, Jindal School of Management, University of Texas at Dallas\*

**H. Dennis Park**, Jindal School of Management, University of Texas at Dallas

**Shu Deng**, Jindal School of Management, University of Texas at Dallas

Discussant: **Marco Ceccagnoli**, Georgia Tech

*A Theory of Patent Holdout*

**Gerard Llobet**, CEMFI and CEPR\*

**Jorge Padilla**, Compass Lexecon

Discussant: **Andrej Gill**, Department of Economics and Business Administration, Johannes Gutenberg University Mainz

*Compete or Cooperate? The Effect of Patent Protection on Licensing Decisions of Inventors*

**Honggi Lee**, The Fuqua School of Business, Duke University

Discussant: **H. Dennis Park**, Jindal School of Management, University of Texas at

Dallas

*Collective licensing and asymmetric information: The double effect of the Medicine Patent Pool on generic drug markets*

**Arianna Martinelli**, Scuola Superiore Sant'Anna, Pisa

**Andrea Mina**, Scuola Superiore Sant'Anna, Pisa\*

**Elena Romito**, Scuola Superiore Sant'Anna, Pisa

Discussant: **Kevin Tseng**, Federal Reserve Bank of Richmond

11:05-1:00 **Session Six — IP and Innovation**

Session Chair: **Ralph Siebert**, Krannert School of Management, Purdue University

*Institutional Ownership and the Strategic Drafting of Patents*

**Aneesh Datar**, Bocconi University, Department of Management and Technology\*

**Mario Daniele Amore**, Bocconi University, Department of Management and Technology

**Andrea Fosfuri**, Bocconi University, Department of Management and Technology

Discussant: **Mike H. M. Teodorescu**, Boston College, Carroll School of Management and Harvard Business School

*Do Patents Enable Disclosure? Evidence from the Invention Secrecy Act*

**Gabriele Pellegrino**, College of Management of Technology, Ecole Polytechnique Federale de Lausanne\*

**Gaetan de Rassenfosse**, College of Management of Technology, Ecole Polytechnique Federale de Lausanne

**Emilio Raiteri**, School of Innovation Sciences, Eindhoven University of Technology

Discussant: **Runhua Wang**, Chicago-Kent College of Law

*The Quality of Innovation “Booms” During “Busts”*

**Christos Makridis**, Massachusetts Institute of Technology\*

**Erin McGuire**, Scheller College of Business, Georgia Institute of Technology

Discussant: **Tony Tong**, Leeds School of Business, University of Colorado Boulder

*Patent Auctions and Bidding Coalitions: Structuring the Sale of Club Goods*

**Mariagiovanna Baccara**, Olin School of Business, Washington University in Saint Louis\*

**John Asker**, Department of Economics, University of California in Los Angeles

**SangMok Lee**, Department of Economics, Washington University in St. Louis

Discussant: **Alexei Alexandrov**, Wayfair

1:05-2:45

**Session Seven — PANEL DISCUSSION: Antitrust Policy and Intellectual Property**

***Overview:** Are Antitrust Policy and IP rights at odds? The panel will discuss whether Antitrust Policy and IP rights are complements or are sometimes in conflict. The panel will consider whether there are ways that Antitrust Policy can be adjusted that are more sympathetic to innovation. The panel will examine whether there are ways that public policy toward IP rights can be positioned to address Antitrust Policy concerns. The panel will consider how the impact of Antitrust Policy on IP rights will evolve in the future.*

Session Chair: **Jeffrey Prince**, Chief Economist, U.S. Federal Communications Commission (FCC); Kelley School of Business, Indiana University

**Alden F. Abbott**, General Counsel, U.S. Federal Trade Commission (FTC)

**Joshua D. Wright**, Scalia School of Law, George Mason University

**Kirti Gupta**, Vice President, Technology & Economic Strategy, Qualcomm Incorporated

**Danny Sokol**, Levin School of Law, University of Florida

**Daniel F. Spulber**, Kellogg School of Management, Northwestern University

2:45

**Adjourn**

*Presenters are indicated with an \**