

Sixth Annual Research Roundtable on Standard Setting Organizations and Patents

Thursday, May 17, 2018 — Friday, May 18, 2018

Northwestern University—Wieboldt Hall
340 E. Superior Street, Chicago, IL 60611

This conference is organized by Daniel F. Spulber, Research Director, Searle Center on Law, Regulation, and Economic Growth.

Thursday, May 17th

9:30 a.m. **Registration Check-in and Continental Breakfast**
(Wieboldt Hall 247)

10:30 a.m. **Welcome and Introduction**
(Wieboldt Hall 250)

Matthew L. Spitzer, Howard and Elizabeth Chapman Professor
and Director, Searle Center on Law, Regulation, and Economic
Growth at Northwestern Pritzker School of Law

Daniel F. Spulber, Research Director, Searle Center on Law,
Regulation, and Economic Growth, and Elinor Hobbs
Distinguished Professor of International Business and Professor
of Strategy, Kellogg School of Management, Northwestern
University

10:30 to 12:00 **Session One— Patents and Platforms** (Wieboldt Hall #250)
Session Chair: **David Schwartz**, Northwestern Pritzker School of Law

Patents and the 4th Industrial Revolution

Yann Ménière, European Patent Office

Discussant: **Chenguo (Coco) Zhang**, Universität Bremen

Digital “Mash-ups,” Patents, and Copyright

Kevin Boudreau, Northeastern University

Lars Bo Jeppesen, Copenhagen Business School

Milan Miric, USC Marshall School of Business *

Discussant: **Christopher Tucci**, Ecole Polytechnique Federale de Lausanne

12:00 to 1:00 **Lunch** (Wieboldt Hall 440)

1:00 to 2:30 **Session Two—Standard Setting Organizations** (Wieboldt Hall #250)
Session Chair: **Julie Carlson**, Federal Trade Commission

IEEE Patent Policy Revisions: An Empirical Examination of Impact

Georgios Effraimidis, Qualcomm Inc.*

Kirti Gupta, Qualcomm Inc.

Discussant: **Talia Bar**, Department of Economics, University of Connecticut

The IEEE Controversial Policy on Standard Essential Patents – The Empirical Record Since Adoption

Ron D. Katznelson, Bi-Level Technologies

Discussant: **David Schwartz**, Northwestern Pritzker School of Law

Dear Enemy: Litigation and Cooperation in a Mobile Phone Standard Development Organization

Stephen Jones, College of Business, University of Wyoming*

Aija Leiponen, Cornell University

Gurneeta Vasudeva Singh, University of Minnesota

Discussant: **Maddalena Agnoli**, MINES ParisTech (CERNA)

2:30 to 3:00 **Break** (Wieboldt Hall #247)

3:00 to 5:00 **Session Three— Technology Standards, Patents and International Trade** (Wieboldt Hall 250)

Session Chair: **Robin Stitzing**, Nokia Technologies

No Double Standards: Quantifying the Impact of Standard Harmonization on Trade

Julia Schmidt, Banque de France*

Walter Steingress, Bank of Canada

Discussant: **Christian Fons-Rosen**, Department of Economics and Business, Universitat Pompeu Fabra, Barcelona GSE

Technology Standards and Cross-Border M&A: The Role of Standards Setting Organizations

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

Anjishnu Banerjee, Division of Biostatistics, Institute for Health and Society, Medical College of Wisconsin
Discussant: **Lora Dimitrova**, University of Exeter

Patent Exhaustion Regime and International Production Sharing: Winners and Losers?

Olena Ivus, Smith School of Business, Queen's University*

Edwin L.-C. Lai, Department of Economics, Hong Kong University of Science and Technology

Discussant: **Carlo Capuano**, Department of Economics and Statistics (DISES), University of Naples Federico II

5:00 **Cocktail Reception** (Wieboldt Hall 440)

6:00 **Networking Dinner** (Wieboldt Hall 540)

Friday, May 18th

8:00 a.m. **Breakfast** (Wieboldt Hall 323—Kellogg Kafe)

9:00 to 10:30 **Session Four—Effects of Standardization on Patents** (Wieboldt Hall #250)

Session Chair: **Jonathan D. Putnam**, Competition Dynamics

Co-Opetition and Firm's Information Environment

Jessica Kim-Gina, The Wharton School, University of Pennsylvania*

Brian Bushee, The Wharton School, University of Pennsylvania

Thomas Kesuch, INSEAD

Discussant: **Milan Miric**, USC Marshall School of Business

Discrimination in the Patent System: Evidence from Standard-Essential Patents

R.N.A. Bekkers, School of Innovation Sciences, Eindhoven University of Technology

Gaétan de Rassenfosse, Chair of Innovation and IP Policy, College of Management of Technology, École Polytechnique Fédérale de Lausanne

Emilio Raiteri, École Polytechnique Fédérale de Lausanne*

Discussant: **Charles DeGrazia**, United States Patent and Trademark Office

Embracing Technological Similarity for the Measurement of Complexity and Patent Thickets

Charles DeGrazia, United States Patent and Trademark Office

Jesse Frumkin, United States Patent and Trademark Office

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

Discussant: **Samantha Zyontz**, MIT Sloan School of Management

10:30 to 11:00 **Break** (Wieboldt Hall #247)

11:00 to 12:30 **Session Five—IP and Incentives** (Wieboldt Hall #250)

Session Chair: **Daniel Rubinfeld**, University of California, Berkeley School of Law

Organize to Innovate: Intellectual Property Regimes, Technology Adoption and Firm Structure

Pavel Chakraborty, Department of Economics, Lancaster University*

Chirantan Chatterjee, Indian School of Business

Sourav Bhattacharya, University of London

Discussant: **Benjamin Balsmeier**, University of Luxembourg

Innovation and Knowledge Protection: How Firms Respond to a Loophole in Non-compete Enforcement

Hyo Kang, Haas School of Business, UC Berkeley*

Wyatt Lee, Rotman School of Management, University of Toronto

Discussant: **Cher Li**, Nottingham University Business School

Capital Gains Tax and Innovation

Sapnoti Eswar, Linder College of Business, University of Cincinnati*

Lora Dimitrova, University of Exeter

Discussant: **Gurneeta Vasudeva Singh**, Carlson School of Management, University of Minnesota

12:30 **Lunch** (Wieboldt Hall 323—Kellogg Kafe)

1:30 to 3:00 **Session Six—IP Rights and Innovation** (Wieboldt Hall #250)

Session Chair: **Matteo Sabattini**, Director IP Policy, IP Rights & Licensing, Ericsson

Product Market Competition and Long-Term Firm Value: Evidence from Reverse Engineering Protections

Scott B. Guernsey, The University of Oklahoma

Discussant: **Georgios Effraimidis**, Qualcomm Inc.

An Empirical Analysis of Bargaining Power in Licensing Contract Terms
Gaurav Kankanhalli, Samuel Curtis Johnson Graduate School of Management, Cornell University*
Alan Kwan, University of Hong Kong
Discussant: **Pere Arqué-Castells**, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law

Green Technology Diffusion: A Post-Mortem Analysis of the Eco-Patent Commons
Christian Helmers, Santa Clara University*
Jorge L. Contreras, S.J. Quinney College of Law, University of Utah
Bronwyn H. Hall, University of California Berkeley
Discussant: **Amol M Joshi**, Oregon State University College of Business

3:00 p.m. **Adjourn**

Confirmed Participants (as of 5/10/2018):

1. **Maddalena Agnoli**, MINES ParisTech (CERNA)
2. **Pere Arqué-Castells**, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law
3. **Benjamin Balsmeier**, University of Luxembourg
4. **Talia Bar**, Department of Economics, University of Connecticut
5. **Justus Baron**, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law
6. **Emily S. Bremer**, University of Wyoming College of Law
7. **Carlo Capuano**, Department of Economics and Statistics (DISES), University of Naples Federico II
8. **Julie Carlson**, U.S. Federal Trade Commission
9. **Avik Chakrabarti**, Department of Economics, University of Wisconsin, Milwaukee
10. **Pavel Chakraborty**, Department of Economics, Lancaster University
11. **Charles DeGrazia**, United States Patent and Trademark Office
12. **Lora Dimitrova**, University of Exeter
13. **Supradeep Dutta**, SUNY Buffalo, School of Management
14. **Georgios Effraimidis**, Qualcomm Inc.
15. **Sapnoti Eswar**, Linder College of Business, University of Cincinnati
16. **Christian Fons-Rosen**, Universitat Pompeu Fabra and Barcelona GSE
17. **Scott B. Guernsey**, Michael F. Price College of Business, The University of Oklahoma
18. **Christian Helmers**, Santa Clara University
19. **Olena Ivus**, Smith School of Business, Queen's University
20. **Nicole Janovick**, Innovation and New Ventures (INVO), Northwestern University
21. **Stephen Jones**, College of Business, University of Wyoming
22. **Amol M. Joshi**, Oregon State University, College of Business
23. **Hyo Kang**, Haas School of Business, UC Berkeley

24. **Gaurav Kankanhalli**, Samuel Curtis Johnson Graduate School of Management, Cornell University
25. **Ron D. Katznelson**, Bi-Level Technologies
26. **Jay P. Kesan**, University of Illinois College of Law
27. **Yong H. Kim**, Department of Finance, Carl H. Lindner College of Business, University of Cincinnati
28. **Jessica Kim-Gina**, The Wharton School, University of Pennsylvania
29. **Wyatt Lee**, Rotman School of Management, University of Toronto
30. **Cher Li**, Nottingham University Business School
31. **Yann Ménière**, Chief Economist, European Patent Office
32. **Filippo Mezzanotti**, Kellogg School of Management, Northwestern University
33. **Milan Miric**, USC Marshall School of Business
34. **Saeed Moshiri**, Department of Economics, STM College, University of Saskatchewan
35. **Thaddeus Murphy**, Federal Reserve Bank of Chicago
36. **Elise Nelson**, Freshfields Bruckhaus Deringer US LLP
37. **Yasin Ozcan**, Research Fellow, Sloan School of Management, MIT
38. **Nicholas A. Pairolero**, United States Patent and Trademark Office
39. **Laura Pedraza-Fariña**, Northwestern Pritzker School of Law
40. **Jonathan D. Putnam**, Competition Dynamics
41. **Emilio Raiteri**, Chair of Innovation and IP Policy, College of Management of Technology, École Polytechnique Fédérale de Lausanne
42. **Ram Ranganathan**, McCombs School of Business, University of Texas at Austin
43. **Daniel Rubinfeld**, University of California, Berkeley, School of Law
44. **Matteo Sabattini**, Director IP Policy, IP Rights & Licensing, Ericsson
45. **Julia Schmidt**, Banque de France
46. **David L. Schwartz**, Northwestern Pritzker School of Law
47. **Ralph Siebert**, Purdue University, Department of Economics, Krannert School of Management
48. **Gurneeta Vasudeva Singh**, Carlson School of Management, University of Minnesota
49. **Robin Stitzing**, Nokia Technologies
50. **Matthew L. Spitzer**, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law
51. **Daniel F. Spulber**, Kellogg School of Management, Northwestern University
52. **Christopher Tucci**, Ecole Polytechnique Federale de Lausanne
53. **Anna M. Voytovich**, Federal Reserve Bank of Chicago
54. **Niel Willardson**, Federal Reserve Bank of Minneapolis
55. **Mingtao Xu**, Krannert School of Management, Purdue University
56. **Chenguo (Coco) Zhang**, Universität Bremen
57. **Samantha Zyontz**, MIT Sloan School of Management