Fourth Annual Research Roundtable on Technology Standards

Thursday, May 5-Friday, May 6, 2016
Northwestern University—Wieboldt Hall
340 E. Superior Street, Chicago, IL 60611

This roundtable is organized by Justus Baron and Daniel F. Spulber.

Thursday, May 5th

9:30 a.m. Registration Check-in and Continental Breakfast (1st floor of Wieboldt Hall)

10:30 a.m. Welcome and Introduction to the Conference (Wieboldt Hall #150)
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
Justus Baron, Research Associate, Project on Innovation Economics, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law

10:30 to 12:00 Session One—Standardization and International Economics (Wieboldt Hall #150)
Session Chair: Andrew Updegrove, Gesmer Updegrove LLP

Standard Harmonization in International Trade
Julia Schmidt, Banque de France
Walter Steingress, Banque de France
Discussant: Keith E. Maskus, Department of Economics, University of Colorado, Boulder

Competition between the United States and China in Standard Setting: Case Study of 3G and 4G Telecommunication Technology
Luke Hung-Yu Chuang, University of Washington (UW) School of Law
Jane Winn, University of Washington School of Law
Discussant: Dan Breznitz, Munk School of Global Affairs, University of Toronto

Government Participation in SSO: US vs China
Jin Cao, Norges Bank
Chenguo (Coco) Zhang, Universität Bremen
Discussant: Ping Gao, Global Development Institute, The University of Manchester

12:00 to 1:00 Lunch (Wieboldt Hall 540)
1:00 to 2:30  **Session Two—Effects of SSO Participation** (Wieboldt Hall #150)
Session Chair: **Aija Leiponen**, Charles H. Dyson School of Applied Economics and Management, Cornell University

*Standards, SSO Membership, and SSO Policies*
**Anjishnu Banerjee**, Division of Biostatistics, Medical College of Wisconsin
**Avik Chakrabarti**, UW Milwaukee
Discussant: **Mian Dai**, Department of Economics and International Business, Bennett S. LeBow College of Business, Drexel University

*Capital Market Effects of Information Disclosure and Coordination at Standard-Setting Organizations*
**Thomas Keusch**, Erasmus School of Economics, Erasmus University
**Jessica Kim-Gina**, The Wharton School of the University of Pennsylvania
Discussant: **Steven Chong Xiao**, Naveen Jindal School of Management, University of Texas at Dallas

*SSO Membership, Startups, and VC (presented by Supradeep Dutta)*
**Markus Fitza**, Mays Business School, Texas A&M University
Discussant: **Supradeep Dutta**, SUNY Buffalo, School of Management

2:30 to 3:00  **Break** (Wieboldt Hall #147)

3:00 to 3:25  **Invited Talk - Information on SSO and Consortia** (Wieboldt Hall #150)
**Andrew Updegrove**, Gesmer Updegrove LLP

3:30 to 5:00  **Session Three—Standardization Processes** (Wieboldt Hall #150)
Session Chair: **Chris Forman**, Scheller College of Business, Georgia Institute of Technology

*Public Law Norms and Private Standardization*
**Emily S. Bremer**, University of Wyoming College of Law
Discussant: **Michael Barsa**, Northwestern Pritzker School of Law

*A Closer Look at TIA Standards in the Field of Mobile Telephony*
**Kristen Osenga**, University of Richmond School of Law
Discussant: **Kirti Gupta**, Qualcomm Incorporated

*Conflict and Disagreement in Standard Setting*
**Stephen Jones**, University of Wyoming, College of Business
**Aija Leiponen**, Charles H. Dyson School of Applied Economics and Management, Cornell University
**Gurneeta Vasudeva Singh**, Carlson School of Management, University of Minnesota
Discussant: **Ram Ranganathan**, The University of Texas at Austin, McCombs School of Business

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

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

7:00  **Dinner Talk on “What Can We Learn from Technology Standards?”**
**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
**Friday, May 6th**

8:00 a.m. **Breakfast** (Wieboldt Hall #540)

9:00 to 10:30 **Session Four—Standards, Patents, and Innovation** (Wieboldt Hall #150)
Session Chair: **Pere Arqué-Castells**, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law

*Do Standards Inform or Constrain Innovation? A Longitudinal Study of UK Service and Manufacturing Firms*
**Cher Li**, Nottingham University Business School
**Paul Windrum**, Nottingham University Business School
Discussant: **Ralph Siebert**, Purdue University, Department of Economics, Krannert School of Management

*Intellectual Property Rights, Uncertainty, and Standard-Setting at the 3GPP*
**Chris Forman**, Scheller College of Business, Georgia Institute of Technology
**Nicolas van Zeebroeck**, Solvay Brussels School of Economics and Management, Université Libre de Bruxelles
**Wen Wen**, McCombs School of Business, The University of Texas at Austin
Discussant: **Dirk Czarnitzki**, KU Leuven, Dept. of Managerial Economics, Strategy and Innovation

*When a Stranger Calls: Standards Outsiders and Unencumbered Patents*
**Jorge L. Contreras**, S.J. Quinney College of Law, University of Utah
Discussant: **Nikolaus Thumm**, European Commission, Joint Research Centre, Institute for Prospective Technological Studies

10:30 to 10:45 **Break** (Wieboldt Hall #147)

10:45 to 11:10 **Invited Talk – Standardization Processes** (Wieboldt Hall #150)
**Kirti Gupta**, Qualcomm Incorporated

11:10 to 12:40 **Session Five—SEPs** (Wieboldt Hall #150)
Session Chair: **Ilja Rudyk**, Senior Economist, Office of the Chief Economist, European Patent Office

*The Effect of SEPs on Standards Adoption*
**Justus Baron**, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law
Discussant: **Chris Forman**, Scheller College of Business, Georgia Institute of Technology

*Standard Related Patent Transfers and Litigation*
**Maddalena Agnoli**, MINES ParisTech (CERNA)
**Laurie Ciaramella**, MINES ParisTech (CERNA)
**Margaret Kyle**, MINES ParisTech (CERNA)
Discussant: **Pere Arqué-Castells**, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law

*Technology Protectionism and the Patent System: Strategic Technologies in China*
**Gaëtan de Rassenfosse**, Ecole Polytechnique Fédérale de Lausanne, Switzerland
**Emilio Raiteri**, Ecole Polytechnique Fédérale de Lausanne, Switzerland
Discussant: **Tony W. Tong**, Leeds School of Business, University of Colorado
12:40 to 1:30  Lunch (Wieboldt Hall #540)

1:30 to 3:00  Break-out Sessions
Breakout sessions are intended for the work teams that will be using the Searle Center databases. Other participants are welcome to join the sessions but their participation is optional.

SEP Data and Matching Patents to Standards (Wieboldt Hall #107)
Session Chair: Tim Pohlmann, IPlytics and CERNA ParisTech

3GPP Standardization Process Data (Wieboldt Hall #109)
Session Chair: Kirti Gupta, Qualcomm Incorporated

Data on Technology Standards and SSOs (Wieboldt Hall #150)
Session Chair: Justus Baron, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law

3:00  Adjourn

Confirmed Participants (as of 3/16/2017):
1. Maddalena Agnoli, CERNA, Ecole des Mines de Paris
2. Gary Anderson, Economic Analysis Office, Office of the Director, National Institute of Standards and Technology
3. Pere Arqué-Castells, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law
4. Anjishnu Banerjee, Division of Biostatistics, Medical College of Wisconsin
5. Justus Baron, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law
6. Michael Barsa, Northwestern Pritzker School of Law
7. Emily S. Bremer, University of Wyoming College of Law
8. Dan Breznitz, Munk School of Global Affairs, University of Toronto
9. Jin Cao, Norges Bank
11. Avik Chakrabarti, University of Wisconsin, Milwaukee
12. Luke Hung-Yu Chuang, University of Washington (UW) School of Law
13. Laurie Ciaramella, CERNA, Ecole des Mines de Paris
14. Jorge L. Contreras, S.J. Quinney College of Law, University of Utah
15. Dirk Czarnitzki, KU Leuven, Dept. of Managerial Economics, Strategy and Innovation
16. Mian Dai, Bennett S. LeBow College of Business, Drexel University
17. Supradeep Dutta, SUNY Buffalo, School of Management
18. Chris Forman, Scheller College of Business, Georgia Institute of Technology
19. Ping Gao, Global Development Institute, The University of Manchester
20. Kirti Gupta, Qualcomm Incorporated
21. Erik Hovenkamp, Northwestern Pritzker School of Law
22. Stephen Jones, University of Wyoming, College of Business
23. Amol M. Joshi, Oregon State University, College of Business
24. Thomas Keusch, Erasmus School of Economics, Erasmus University
25. Jessica Kim-Gina, The Wharton School of the University of Pennsylvania
26. Margaret Kyle, Paris MINESTech
27. Aija Leiponen, Charles H. Dyson School of Applied Economics and Management, Cornell University
28. Cher Li, Nottingham University Business School
30. Keith E. Maskus, Department of Economics, University of Colorado, Boulder
31. Kristen Osenga, University of Richmond School of Law
32. Laura Pedraza-Fariña, Northwestern Pritzker School of Law
33. Chryssoula Pentheroudakis, IP Research & Consulting
34. Tim Pohlmann, IPlytics and CERNA ParisTech
35. Emilio Raiteri, Ecole Polytechnique Fédérale de Lausanne
36. Ram Ranganathan, The University of Texas at Austin, McCombs School of Business
37. Ilja Rudyk, Senior Economist, Office of the Chief Economist, European Patent Office
38. **David L. Schwartz**, Northwestern Pritzker School of Law  
39. **Ralph Siebert**, Purdue University, Department of Economics, Krannert School of Management  
40. **Gurneeta Vasudeva Singh**, Carlson School of Management, University of Minnesota  
41. **Matthew L. Spitzer**, Searle Center on Law, Regulation, and Economic Growth, Northwestern Pritzker School of Law  
42. **Daniel F. Spulber**, Kellogg School of Management, Northwestern University  
43. **Walter Steingress**, Banque de France  
44. **Jeffrey Strauss**, Director of Industry Programs, The Roberta Buffett Institute for Global Studies, Northwestern University  
45. **Nikolaus Thumm**, European Commission, Joint Research Centre, Institute for Prospective Technological Studies  
46. **Tony W. Tong**, Leeds School of Business, University of Colorado  
47. **Andrew A. Toole**, Office of Policy and International Affairs, U.S. Patent and Trademark Office  
48. **Andrew Updegrove**, Gesmer Updegrove LLP  
49. **Nicolas van Zeebroeck**, Solvay Brussels School of Economics and Management, Université Libre de Bruxelles  
50. **Wen Wen**, McCombs School of Business, The University of Texas at Austin  
51. **Paul Windrum**, Nottingham University Business School  
52. **Steven Chong Xiao**, Naveen Jindal School of Management, University of Texas at Dallas  
53. **Chenguo (Coco) Zhang**, Universität Bremen