



Sixth Annual Northwestern Empirical Conference on Standardization

Thursday, November 19 - Friday, November 20, 2026

Northwestern Pritzker School of Law
Chicago, IL

Northwestern Pritzker School of Law
Thorne Auditorium
375 E. Chicago Avenue
Chicago, IL 60611

Thursday, November 19th

8:00 to 9:00 a.m.

Registration Check-In and Continental Breakfast
(Thorne Auditorium Lobby)

9:00 to 9:15 a.m.

Welcome and Introduction (Thorne Auditorium)

Justus Baron, Director, Research Project on Innovation and
Technology Standards, Northwestern Center on Law,
Business, and Economics

9:15 to 10:15 a.m.

Session One – Standardization and Economic Growth

*15-minute author presentation, followed by a 5-minute discussion presentation, and 10-
minutes of Q&A per paper.*

*Standards Leadership, Quality Infrastructure, and Economic
Performance: Evidence from a New Country-Year Panel Dataset*
(with Knut Blind and Giorgia Giovannetti)
Ann-Sara Ramkissoo, University of Florence

Discussant: **Ratib Ali**, Economist, Competition Dynamics

[Scalable Expertise: How Standardization Drives Scale and Scope](#) (with David Argente, Ezra Oberfield, and Venky Venkateswaran)

Sara Moreira, Kellogg School of Management, Northwestern University

Discussant: **Ratib Ali**, Economist, Competition Dynamics

10:15 to 10:30 a.m.

Break (Thorne Auditorium Lobby)

10:30 a.m. to 11:30 a.m.

Session Two – Standards Adoption

15-minute author presentation, followed by a 5-minute discussion presentation, and 10-minutes of Q&A per paper.

Trusting the Immaterial: Empirical Analysis of the Effect of ISO 27001 on Digital Trade in 76 Countries

Wayoro Didier, Senior Researcher, Standards Council of Canada

Discussant: **Ann-Sara Ramkissoon**, University of Florence

ISO 22000 Adoption and Reported Caloric Food Losses in Retail Distribution: Evidence from Canada

Wilfried Nonguierma, Senior Researcher, Standards Council of Canada

Discussant: **Nikola Matovic**, Technische Universität Berlin

11:30 to 12:30 p.m.

Session Three – Industrial Policy and Standardization in China

15-minute author presentation, followed by a 5-minute discussion presentation, and 10-minutes of Q&A per paper.

Perspectives on the Standardization of ICT and Digital Technologies: Insights from a Multinational Survey

Daniel Fuchs, Institute for Asian and African Studies at the Humboldt University of Berlin

Discussant: **Niels ten Oever**, Assistant Professor, Department of European Studies, University of Amsterdam

Industrial Policy Through Standardisation: Chinese Domestic 5G Standards (with Niels ten Oever)
Eric Zhang, University of Amsterdam

Discussant: **Wayoro Didier**, Senior Researcher,
Standards Council of Canada

12:30 to 1:30

Lunch (Lanny & Sharon Martin Atrium)

1:10 pm

Lunch Presentation

[Generally Accepted Workforce Reporting Standards \(GAWRS\)](#)

Deborah Weiss, Director, Workforce Science Project, Northwestern Center on Law, Business, and Economics; Executive Director Workforce Reporting Consortium

1:30 to 2:30 p.m.

Session Four – AI and Standardization

15-minute author presentation, followed by a 5-minute discussion presentation, and 10-minutes of Q&A per paper.

Governing the Governors: A Law and Economics Approach on the Coordination Problem in AI Standardization for Financial Markets

Umberto Nizza, University of Bologna & Stanford

Discussant: **Lev Breydo**, Assistant Professor of Law,
William & Mary Law School

Professional Self-Regulation as AI Standardization: An Empirical Study of State Bar and Supreme Court Rules Governing Legal AI
Nelson Rosario, Rosario Tech Law, LLC

Discussant: **Daniel W. Linna Jr.**, Professor of Instruction in Law and Computer Science & Director of Law and Technology Initiatives, Northwestern Pritzker School of Law & McCormick School of Engineering

2:30 to 2:45 p.m.

Break (Thorne Auditorium Lobby)

2:45 to 4:15 p.m.

Session Five – Standardization and Innovation

15-minute author presentation, followed by a 5-minute discussion presentation, and 10-minutes of Q&A per paper.

[Standardization and the Relationship with Innovation in Critical and Emerging Technologies](#) (with Justus Baron)

Filippo Grillo, Research Affiliate, Center on Law, Business, and Economics, Northwestern Pritzker School of Law; Economic Consultant, BRELA Research in Economics and Legal Analytics

Discussant: **Gurneeta Vasudeva Singh**, Professor of Management, Mays Business School, Texas A&M University

Technological Catch-Up in Standards-Based Industries: Standardization, Hybrid Inventors, and Catch-Up across Technological Generations (with Carsten C. Guderian and Knut Blind)

Magnus Buggenhagen, Technical University Berlin, Chair of Innovation Economics, Faculty of Economics and Management; LexisNexis Intellectual Property Solutions

Discussant: **Aija Leiponen**, Professor, Cornell, SC Johnson College of Business

Towards Co-Regulation of Voluntary Sustainability Standards: Operationalising Robustness for Institutional Alignment with International Standardization

Nikola Matovic, Technische Universität Berlin

Discussant: **Yanis Gamarra**, Technical University of Munich, TUM School of Management, Chair of Management Accounting; Research Associate and Economic Consultant, BRELA Research in Economics & Legal Analytics

4:15 to 4:30 p.m.

Break (Thorne Auditorium Lobby)

4:30 to 5:45 p.m.

Session Six – Panel Discussion: Standards in Critical and Emerging Technologies

Moderator: **Filippo Grillo**, Research Affiliate, Center on Law, Business, and Economics, Northwestern Pritzker School of Law; Economic Consultant, BRELA Research in Economics and Legal Analytics

Panelists: **James Dickerson**, Director, ASTM International, ASCET – CoE, Advancing Standardization for Critical and Emerging Technologies – Center of Excellence

Glauci Fernandes, Senior Program Manager Software-Enabled Products, Autonomy and Robotics, Underwriters Laboratories Standards & Engagement

Karen Reczek, Standards Coordination Office,
National Institute of Standards and Technology
(NIST)

Mary Saunders, Senior Vice President,
Government Relations and Public Policy, American
National Standards Institute (ANSI)

5:45 to 7:30 p.m.

Networking Cocktail Reception (Lanny & Sharon Martin Atrium)

Friday, November 20th

8:00 to 9:00 a.m.

Breakfast (Lanny & Sharon Martin Atrium)

9:00 to 10:45 a.m.

Session Seven – FRAND Valuation and Licensing Methodologies

[Methodologies for FRAND Determination: Evidence from
Global Case Law](#) (with Santiago Bergallo, Kenza Elkabiri,
Yanis Gamarra, and Filippo Grillo)

Justus Baron, Northwestern Center on Law, Business, and
Economics, Northwestern Pritzker School of Law; BRELA
Research in Economics & Legal Analytics

Discussant: **Brian Love**, Professor of Law and Co-
Director of the High Tech Law Institute, Santa Clara
School of Law

*Decoding FRAND: Navigating the Evolving Video Coding and
Streaming Landscape* (with David Chabra, Georgios Effraimidis,
and Kirti Gupta)

Elias Ilin, Cornerstone Research

Discussant: **Jorge Lemus**, Professor, Department of
Economics, University of Illinois, Urbana-Champaign

Patent Portfolio Prices: Signal or Noise? (with John C. Jarosz
and Michael J. Chapman)

Yuan Tian, Analysis Group

Discussant: **Jorge Lemus**, Professor, Department of
Economics, University of Illinois, Urbana-Champaign

10:45 to 11:00 a.m.

Break (Thorne Auditorium Lobby)

11:00 a.m. to 12:15 p.m.

Session Eight – Panel Discussion: Reclaiming the Bench? The Future of the US as a SEP Litigation Venue

Moderator: **Justus Baron**, Director, Research Project on Innovation and Technology Standards, Northwestern Center on Law, Business, and Economics, Northwestern Pritzker School of Law; BRELA Research in Economics & Legal Analytics

Panelists: **Marc Kaplan**, Partner, Quinn Emanuel Urquhart & Sullivan, LLP

Lucas I. Silva, Partner, Foley & Lardner, LLP

Tim Syrett, Partner, WilmerHale

Richard Zembek, Global Head of Technology, Norton Rose Fulbright US LLP

12:15 to 1:15 p.m.

Lunch (Lanny & Sharon Martin Atrium)

1:15 to 2:45 p.m.

Session Nine – SEP Rent Allocation and Litigation

15-minute author presentation, followed by a 5-minute discussion presentation, and 10 minutes of Q&A per paper.

Curbing Hold-Up, Curtailing Innovation? Rent Allocation and Innovation in Standard-Setting Organizations (with Terrence Tianshuo Shi and Yuxiang Zheng)

Danye Wang, Henry B. Tippie College of Business, University of Iowa

Discussant: **Magnus Buggenhagen**, Technical University Berlin, Chair of Innovation Economics, Faculty of Economics and Management; LexisNexis Intellectual Property Solutions

Brazil as a Reliable Jurisdiction for Standard-Essential Patent Enforcement in the Global Standards Economy

Otto Licks, Licks Attorneys

Carolina Souza, Licks Attorneys

Discussant: **John McBride**, Partner, Norton Rose Fulbright US LLP

Statistical Methods for Testing for Non-Discrimination in Complex Licenses

Jon Putnam, Competition Dynamics

Discussant: **Tim Simcoe**, David J. McGrath Jr.
Professor of Strategy & Innovation, Boston University
Questrom School of Business

2:45 to 3:00 p.m. **Break** (Thorne Auditorium Lobby)

3:00 to 4:00 p.m. **Session Ten – Panel Discussion: SEP Policy in the U.S.: Incentives, Remedies, and Enforcement**

Moderator: **Joshua Kresh**, Research Professor and Executive Director of The IP Policy Institute (Ippi), The University of Akron School of Law

Panelists: **Julie Carlson**, Director of Government Affairs, Qualcomm

John Kolakowski, Head of IP Policy and Advocacy, Americas, Nokia Technology Standards

Brian Love, Professor of Law and Co-Director of the High Tech Law Institute, Santa Clara School of Law

Additional panelist forthcoming.

4:00 p.m. **Adjourn**

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Confirmed Attendees (as of October 15, 2026):

1. **Andika Aditya**, Federal agent, ODNI
2. **Ratib Ali**, Economist Competition Dynamics
3. **Sireesha Ancha**, Partner, PA Consulting Group
4. **Justus Baron**, Director, Research Project on Innovation and Technology Standards, Northwestern Center on Law, Business, and Economics, Northwestern Pritzker School of Law; BRELA Research in Economics & Legal Analytics
5. **Santiago Bergallo**, BRELA Research in Economics & Legal Analytics; Innovation Policy Research Affiliate, Northwestern Center on Law, Business, and Economics
6. **Sameer Boray**, IP Policy Manager, HP Inc

7. **Lev Breydo**, Assistant Professor of Law, William & Mary Law School
8. **Magnus Buggenhagen**, Technical University Berlin, Chair of Innovation Economics, Faculty of Economics and Management and LexisNexis Intellectual Property Solutions
9. **Julie Carlson**, Director of Government Affairs, Qualcomm
10. **Jeffrey Carter-Johnson**, Professor of Instruction, Northwestern Pritzker School of Law
11. **Jennifer Carter-Johnson**, Associate Professor of Law, Michigan State University
12. **David Chabra**, Senior Analyst, Cornerstone Research
13. **James Dickerson**, Director, ASCET Center of Excellence, ASTM International
14. **Wayoro Didier**, Senior Researcher, Standards Council of Canada
15. **Glauci Fernandes**, Senior Program Manager Software-Enabled Products, Autonomy and Robotics, Underwriters Laboratories Standards & Engagement
16. **Daniel Fuchs**, Assistant Professor, Institute for Asian and African Studies at the Humboldt University of Berlin
17. **Yanis Gamarra**, Technical University of Munich, TUM School of Management, Chair of Management Accounting; Innovation Policy Research Affiliate, Northwestern Center on Law, Business, and Economics
18. **Filippo Grillo**, Research Affiliate, Center on Law, Business, and Economics, Northwestern Pritzker School of Law; Economic Consultant, BRELA Research in Economics and Legal Analytics
19. **Elias Ilin**, Manager, Cornerstone Research
20. **Marc Kaplan**, Partner, Quinn Emanuel Urquhart & Sullivan, LLP
21. **John Kolakowski**, Head of IP Policy and Advocacy, Americas, Nokia Technology Standards
22. **Joshua Kresh**, Research Professor and Executive Director of The IP Policy Institute (Ippi), University of Akron School of Law
23. **Aija Leiponen**, Professor, Cornell, SC Johnson College of Business
24. **Jorge Lemus**, Professor, Department of Economics, University of Illinois, Urbana-Champaign
25. **Otto Licks**, Founding Partner, Licks Attorneys
26. **Daniel W. Linna, Jr.**, Professor of Instruction in Law and Computer Science & Director of Law and Technology Initiatives, Northwestern Pritzker School of Law & McCormick School of Engineering
27. **Brian Love**, Professor of Law and Co-Director of the High Tech Law Institute, Santa Clara School of Law
28. **Nikola Matovic**, Technische Universität Berlin
29. **John McBride**, Partner, Norton Rose Fulbright US LLP
30. **Sara Moreira**, Associate Professor of Strategy, Kellogg School of Management, Northwestern University
31. **Mariano Municoy**, Head Legal Department, Moeller IP
32. **Umberto Nizza**, Professor, Department of Sociology and Economic Law, University of Bologna
33. **Wilfried Nonguierma**, Senior Researcher, Standards Council of Canada
34. **Jon Putnam**, Founder, Competition Dynamics
35. **Ann-Sara Ramkissoon**, PhD Candidate, University of Florence
36. **Hasan Rashid**, VP Patent Licensing, Dolby
37. **Karen Reczek**, Standards Coordination Office, National Institute of Standards and Technology (NIST)
38. **Nelson Rosario**, Rosario Tech Law, LLC
39. **Mary Saunders**, Senior Vice President, Government Relations and Public Policy, American National Standards Institute (ANSI)

40. **Lucas I. Silva**, Partner, Foley & Lardner, LLP
41. **Tim Simcoe**, David J. McGrath Jr. Professor of Strategy & Innovation., Boston University Questrom School of Business
42. **Gurneeta Vasudeva Singh**, Professor of Management, Mays Business School, Texas A&M University
43. **Carolina Souza**, Attorney at Law, Licks Attorneys
44. **Niels ten Oever**, Assistant Professor, Department of European Studies, University of Amsterdam
45. **Tim Syrett**, Partner, WilmerHale
46. **Yuan Tian**, Vice President, Analysis Group
47. **William Towns**, Professor, Kellogg School of Management, Northwestern University
48. **Danye Wang**, Assistant Professor of Accounting, Henry B. Tippie College of Business, University of Iowa
49. **Deborah Weiss**, Director, Workforce Science Project, Northwestern Center on Law, Business, and Economics; Executive Director Workforce Reporting Consortium
50. **Richard Zembek**, Global Head of Technology, Norton Rose Fulbright US LLP
51. **Eric Zhang**, PhD Candidate, Critical Infrastructure Lab/Department of European Studies, University of Amsterdam