

Justus A. Baron

Contact

Justus Baron
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Date of Birth

February 9, 1984

Citizenship :

German

Education

Mines ParisTech, France

PhD, Industrial Economics, 2012
Title of the thesis : *Innovation and Coordination for ICT Standards – the Role of Essential Patents*
PhD Supervisor : Prof. François Lévêque
PhD committee : Prof. Marc Bourreau, Prof. Timothy Simcoe, Prof. Knut Blind, Dr. Yann Ménière

Sciences Po Paris, France

M.Sc. (Master de Recherche), Economic Governance, 2009
First Class Honors (mention très bien)

Research Positions

Northwestern University, Chicago (IL)

Searle Center on Law, Regulation and Economic Growth, Senior Research Associate (since September 2013)

Mines ParisTech, France

Cerna (Center for Industrial Economics), associated researcher, since 2012

Hitotsubashi University, Japan

Institute of Economic Research, Visiting Assistant Professor (February-April 2012; June-August 2013)

Sciences Po Paris, France

Department of Economics, adjunct lecturer and researcher, 2012-2013

Technische Universität Berlin, Germany

Chair of Innovation Economics, visiting researcher, visiting Prof. Knut Blind, repeated stays from 2009 to 2012

Publications**Articles published in peer-reviewed academic journals**

- Baron, J. Counting standard contributions to measure the value of patent portfolios – A tale of apples and oranges. *Telecommunications Policy*, 2020. In press.
- Baron, J. and Pohlmann, T. : Mapping Standards to Patents using Declarations of Standard-Essential Patents; *Journal of Economics and Management Strategy*, Vol. 27-3, 2018
- Baron, J., Gupta, K.: Unpacking 3GPP standards; *Journal of Economics and Management Strategy*, Vol. 27-3, 2018
- Baron, J., Spulber, D.: Technology Standards – An Introduction to the Searle Center Database; *Journal of Economics and Management Strategy*, , Vol. 27-3, 2018
- Baron, J., Blind, K. and Pohlmann, T. : Essential Patents and Standard Dynamics, *Research Policy*, Vol. 45-9, 2016
- Baron, J. and Delcamp, H. : The Strategies of Patent Introduction into Patent Pools, *Economics of Innovation and New Technology*, Vol. 24-8, 2015
- Baron, J., Ménière, Y. and Pohlmann, T. : Standards, Consortia and Innovation, *International Journal of Industrial Organization*, Vol. 36, 2014
- Baron, J. and Pohlmann, T. : Who cooperates in Standards Consortia – Rivals or Complementors ? *Journal of Competition Law and Economics*, Vol. 9-4, 2013
- Baron, J. and Delcamp, H. : The Private and Social Value of Patents in Discrete and Cumulative Innovation, *Scientometrics*, Vol. 90-2, 2012

Advanced Working Papers

- Baron, J., Li, C. and Nasirov, S.: Why Do R&D-Intensive Firms Participate in Standards Organizations? The Role of Patents and Product-Market Position
- Baron, J.: The Causal Effect of Essential Patents on Follow-on Innovation Related to Technology Standards
- Baron, J., Spulber, D.: The Effect of Technological Change on Firm Survival and Growth: Evidence from Technology Standards
- Baron, J., Zaby, A.: Excess Inertia in the Transition from Owning to Sharing – Evidence from UBER
- Baron, J. and Pohlmann, T. : The Effect of Patent Pools on Patenting and Innovation : Evidence from Contemporary Technology Standards

- Baron, J. and Schmidt, J.: Technological Standardization, Endogenous Productivity and Transitory Dynamics, (FEEM Award 2012)
- Baron, J., and Ciaramella, L.: The Market for Standard-Essential Patents
- Baron, J., Gupta, K. and Spulber, D. : Technology Standards in the Knowledge Production Function : Evidence from 3GPP

Other publications (book chapters, policy reports, articles in practitioner journals)

- Baron, J.: Participation in the Standards Organizations Developing the Internet of Things: Recent Trends and Implications, in Jakobs, K. (ed.), *Shaping the Future Through Standardization*, IGI Global, 2019
- Baron, J. and Larouche, P.: Antitrust and Balance of Interests in Standards Development – Lessons from NSS Labs. v. Symantec, *Competition Policy International Antitrust Chronicle*, 2019
- Baron, J., Contreras, J., Husovec, M., Larouche, P.: Making the rules: The governance of standard development organizations and their policies on intellectual property rights; European Commission JRC Science for Policy Report, 2019
- Pentheroudakis, C., Baron, J.: Licensing Terms of Standard Essential Patents - A Comprehensive Analysis of Cases; European Commission JRC Science for Policy Report, 2017
- Baron, J., Pentheroudakis, C., Thumm, N. FRAND Licensing in Theory and in Practice: Proposal for a Common Framework; *Competition Policy International Antitrust Chronicle*, 2016
- Ménière, Y., Dietrich, Y., Baron, J., Pohlmann, T., Nguyen-Dinh, L. : Patent Positions in Start-up Success, *Intellectual Assets Magazine*, 2015
- Bekkers, R., Ménière, Y., Baron, J., Pohlmann, T., Martinelli, A. : A study on industries dependent on standards and patent challenges and possible policy reactions – Quantitative analysis, Study for the European Commission, 2013
- Baron, J., Ménière, Y. : The Market for Patents in the Telecom Industry. Evidence from Patent Reassignments, Study report for France Brevets, 2012

Total citations to publications: 398 (as of February 2020; Source: Google Scholar)

Teaching**Northwestern University**

- Standard setting (Master of Science in Law), 2015 to current

Sciences Po Paris

- Game theory (post-graduate), 2013
- Innovation Economics (undergraduate), 2013

Université Paris II – Assas

- Game theory (undergraduate), 2012

Awards***FEEM Award 2012 of the European Economic Association***

Distinction of the best papers presented by young economists at the annual EEA Conference, for *Technological Standardization, Endogenous Productivity and Transitory Dynamics* (with Julia Schmidt)

Finalist for the Prix de thèse ParisTech 2013

Selected among the nine finalist PhD theses (out of 600 PhD theses defended per year at nine of the most prestigious French Grandes Ecoles)

Policy expert**European Commission Group of experts on licensing and valuation of standard essential patents**

Member of high-level expert group (since 2018)

European Commission Call for Tender

“Interplay of SDOs and IPR Systems in ICT”; lead author of winning tender (200,000 Euro research grant)

Reviewer**Academic journals**

Management Science (2x), Research Policy (3x), Journal of Economics and Management Strategy (4x), Economics of Innovation and New Technology, Industry and Innovation, Information Economics and Policy (3x), Journal of Law and Economics, Organization Science, American Economic Journal: Microeconomics, Scientometrics, IEEE Transactions on Engineering Management, Technovation, Technological Forecasting & Social Change, Revue d'économie industrielle

Academic conferences (selection committee):

Northwestern University Annual Conference on Internet Commerce and Innovation (2015 to 2017)

Northwestern University Annual Conference on Innovation Economics (2015 to 2017)

EURAS Annual Standardisation Conference (2012 to present)

Conferences
and seminars

Organizer

- Second Annual Empirical Research Conference on Standardization, Northwestern University, May 2020 (upcoming)
- First Annual Empirical Research Conference on Standardization, Northwestern University, May 2019
- Public Policy Forum on 'Coordination and Collusion in Standard Development Organizations – Governance and Antitrust', Washington, November 2018
- Stakeholder workshop Standard Developing Organizations and Intellectual Property Rights in ICT, March 2018, Brussels (Belgium)
- Fourth and Fifth Annual Research Roundtables on Technology Standards, Northwestern University, May 2016 and May 2017

Speaker

2020

- European University Institute Conference on Platform Governance, Florence (Italy) (upcoming)

2019

- Intellectual Property Leadership EU 2019 Roundtable, Brussels (Belgium)
- 4th International Symposium on Standardization and Governance, Changsha (China)
- First International Workshop in Law&Economics: Open Innovation, Grenoble (France)
- 8th ZEW/MaCCI Conference on the Economics of Innovation and Patenting, Mannheim (Germany)
- International Industrial Organization Conference 2019, Boston
- Making the rules: The governance of standard development organizations and their policies on Intellectual Property Rights, European Commission Workshop; Brussels (Belgium)

2018

- World Standards Council Academic Roundtable for Standardization Research, Hangzhou (China)
- IP Statistics for Decision Makers, Alicante (Spain)
- European Policy for Intellectual Property, Berlin (Germany)
- European Economic Association Annual Meeting, Cologne (Germany)
- 3rd International Symposium on Standardization and Governance, Changsha (China)

- Oxfirst Conference “Coming to Grips with the EC Communication on the EU Approach to Standard-Essential Patents”, Brussels (Belgium)
- Telecom ParisTech Digital Economics Conference, Paris (France)
- Seminar at Max Planck Institute for Intellectual Property and Competition Law, Munich (Germany)

2017

- LCII-TILEC Conference: Innovation, Research and Competition in the EU: The Future of Open and Collaborative Standard Setting, Brussels (Belgium)
- JIRICO 3rd International Conference on Deliberations on Regulatory Challenges in Standard-Setting and Patent Licensing, Delhi (India)
- IP Statistics for Decision Makers, Mexico City (Mexico)
- International Cooperation for Education about Standardization Annual Meeting, Chicago
- World Standards Council Academic Day, Chicago
- DRUID Innovation Conference, New York City
- European Commission Workshop on Standard-Essential Patents, Brussels (Belgium)
- Seminar at Centro de Estudios Monetarios y Financieros, Madrid (Spain)

2016

- Asia Pacific Innovation Conference, Fukuoka (Japan)
- IP Statistics for Decision Makers, Sydney (Australia)
- European Policy for Intellectual Property, Oxford (UK)
- LES France – Licenses FRAND, Paris (France)
- 2nd Annual GCR Live IP & Antitrust, Seoul (South Korea)
- Searle Center Research Roundtable on Technology Standards, Chicago
- The Economics of Intellectual Property, Software and the Internet, Toulouse School of Economics, Toulouse (France)
- Seminar at University of Nottingham (UK)

2015

- Annual University of Toronto Patent Colloquium, Toronto (Canada)
- Northwestern University Annual Conference on Innovation Economics, Chicago
- International Industrial Organization Conference, Boston
- Annual Meeting of the Academy of Management, Vancouver (Canada)
- GCR Live IP & Antitrust, Seoul (South Korea)
- TILEC Workshop Standard Setting and FRAND Licensing, Tilburg (The Netherlands)
- The Economics of Intellectual Property, Software and the Internet, Toulouse School of Economics, Toulouse (France)
- Seminar at University of Zurich (Switzerland)

2014

- Seventh Annual Conference on Innovation Economics, Chicago

2013

- Searle Center Roundtable on Innovation and Standards, Chicago
- TSE Conference on IP, Software and Internet, Toulouse (France)
- Seminar at Hitotsubashi University, Tokyo (Japan)

2012

- KIND Workshop at Télécom Ecole de Management, Paris (France)
- Hokkaido University Symposium Patents and Innovation, Sapporo (Japan)
- RIETI and Hitotsubashi Workshop on Technology Standards and Innovation, Tokyo (Japan)
- European Association for Research in Industrial Economics, Rome (Italy)
- ZEW Conference on the Economics of ICT, Mannheim (Germany)
- KIND Conference Economics and Management of ICT, Paris (France)

2011

- Intertic Conference Innovation and Competition, Venice (Italy)
- Telecom ParisTech Conference Economics of ICT, Paris (France)
- Standardization and Innovation in IT Conference, Berlin (Germany)
- European Policy for Intellectual Property, Brussels (Belgium)
- ZEW Conference on the Economics of Innovation and Patenting, Mannheim (Germany)
- Asia-Pacific Innovation Conference, Singapore (Singapore)

2010

- European Patent Office and OECD Conference on Patent Statistics for Decision Makers, Vienna (Austria)
- European Research Academy on Standardization, Lausanne (Switzerland)
- Schumpeter Conference, Aalborg (Denmark)

2009

- Research Network on Innovation and Competition, Vienna (Austria)

Professional
Experience

European Commission, Directorate General Competition

Internship in the Directorate A (Strategy and Policy), and especially on Private Enforcement of Competition Law: economic impact assessment, policy evaluation, analysis of methodologies for quantification of damages

Languages

German: native speaker
 French: bilingual
 English: proficient
 Spanish: proficient
 Italian: very good working knowledge