

## **Martin Peitz**

Department of Economics

University of Mannheim

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<http://peitz.vwl.uni-mannheim.de>

**Research statement:** My research focuses on theoretical industrial organization. My ongoing research projects include strategic decision making by platforms and regulation and competition issues in digital markets and media markets.

## **curriculum vitae**

### **Current Positions:**

- Professor of economics, University of Mannheim (since 2007)
- Co-director, Mannheim Centre of Competition and Innovation, MaCCI (since 2009)

### **Other Appointments and Activities:**

- Member of the CEPR Research and Policy Network (RPN) on Competition Policy (since 2021)
- Member of Working Group “Competition Economics” at the Bundeskartellamt (German competition authority, since 2017)
- CRESSE Research Affiliate (since 2011)
- CEPR Research Fellow (since 2006)
- Elected Member, Industrial Economics Section of the Verein für Socialpolitik (since 2003)
- CESifo Research Fellow (since 2003)

### **Past and Current Editorial Positions:**

- *Information Economics and Policy*, Associate Editor 2004-
- *Journal of Competition Law & Economics*, Associate Editor 2020-
- *Telecommunications Policy*, Editorial Board Member 2009-
- *Journal of Media Economics*, Editorial Board Member 2009-2024
- *Journal of Industrial Economics*, Associate Editor 2013-2019
- *International Journal of Industrial Organization*, Associate Editor 2008-2013, Co-editor 2014-2016
- *Review of Network Economics*, Editor 2009-2015

### **Previous Positions and Appointments:**

- Research Fellow, Centre on Regulation in Europe (CERRE), Brussels (2016-2022)
- ZEW Research Associate (2007-2022)
- Deputy spokesperson, Collaborative Research Center CRC TR 224 Bonn-Mannheim (2018-2021)
- Executive Committee Member of EARIE (2012-2017)
- Member, Economic Advisory Group on Competition Policy (EAGCP) at European Commission, DG Competition (2013-2016)
- Academic co-director, Centre on Regulation in Europe (CERRE), Brussels (2012-2016)
- Local coordinator of [European Network for Training in Economic Research \(ENTER\)](#) at the University of Mannheim (2007-2016), director of the network (2013-2016)
- Member of the Scientific Committee of the Florence School of Regulation – Communication & Media (2009-2016)
- Member of the CEPR IO steering committee (2011-2015)
- Head of economics department, University of Mannheim (2010-2013)
- Chair of the scientific committee, EARIE 2011
- Professor of economics at the International University in Germany, School of Business Administration (2004-2007)
- Temporary professor of economics (chair replacement) at the University of Mannheim (2003-2004; 2006-2007)
- Heisenberg fellow of the German Science Foundation (DFG), (2000-2004)
- Temporary professor of economics (chair replacement) at the University of Frankfurt (1999-2000)
- Assistant professor at the University of Alicante, Spain (tenure offered in 11/99), (1995-2000)

### **Longer Research Visits:**

11-12/24	visiting scholar, Monash University, Melbourne (scheduled)
11/23	visiting scholar, KIER, Kyoto, Japan
03-04/23	visiting scholar, Universidad Nacional de Colombia, Bogota
02/23	visiting scholar, NYU Abu Dhabi
12/22	visiting scholar, National University of Singapore
11/21	visiting scholar, Del Rosario University, Bogota
10/19-01/20	visiting scholar, Humboldt University, Berlin
01/19	visiting scholar, Del Rosario University, Bogota
12/17	visiting scholar, Del Rosario University, Bogota
01/17	visiting scholar, Del Rosario University, Bogota
10/15	visiting scholar, University of Tokyo
01/15	visiting scholar, Santa Clara University
11/14	visiting scholar, Hongkong University of Science and Technology
12/13	visiting scholar, National University of Singapore
10-11/13	visiting professor, Telecom Paristech
09/13	visiting scholar, University of Virginia
01/03	visiting professor, CESifo München
02/99, 08-09/99	visiting scholar, CPB Netherlands Bureau for Economic Policy Analysis
06-07/98	visiting fellow, La Trobe University Melbourne
06-07/96	visiting scholar, University of Bonn
06-07/94	visiting scholar, Stanford University

### **Education:**

11/92-06/95	student of the European Doctoral Program in Bonn and Paris <i>Doctor (Ph.D.) in Economics, European Doctoral Program, University of Bonn, June 1995</i>
04/89-11/92	student of economics at the University of Bonn <i>“Diplom-Volkswirt” (German undergraduate degree in economics), University of Bonn, November 1992</i>
10/87-04/89	student of economics at the University of Mainz

### **Scholarships and Awards:**

08/00-07/04	Heisenberg fellowship of the German Research Association, DFG
01/98	Econometric Society European Winter Meeting
10/95-12/96	TMR-fellowship of the European Commission
07/94-06/95	doctoral fellowship of the German Research Association, DFG
10/93-06/94	doctoral fellowship of the French government

**Research interests:** Industrial Organization, Microeconomic Theory, Regulation and Competition Policy

**Books:**

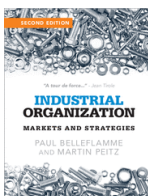
1. *Market Investigations: A New Competition Tool for Europe?* (co-edited with Massimo Motta and Heike Schweitzer), Cambridge University Press (cloth, January 2022)



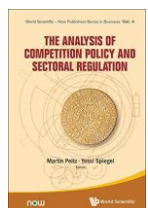
2. *The Economics of Platform: Concepts and Strategy* (with Paul Belleflamme), Cambridge University Press (cloth, paperback and ebook, November 2021)



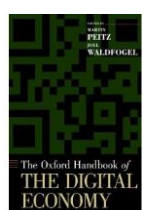
2. *Industrial Organization: Markets and Strategies, second edition* (with Paul Belleflamme), Cambridge University Press, xxiii + 799 pages (cloth, paperback and ebook, July 2015, Greek translation 2016, Latin American edition in Spanish 2022)



3. *The Analysis of Competition Policy and Sectoral Regulation* (co-edited with Yossi Spiegel), World Scientific Publisher (cloth 2014)



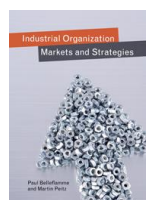
4. *The Oxford Handbook of the Digital Economy* (co-edited with Joel Waldfogel), Oxford University Press (cloth 2012)



5. *Der Ausbau neuer Netze in der Telekommunikation - institutionelle, ökonomische und juristische Betrachtungen* (in German, with Roman Inderst, Jürgen Kühling and Karl-Heinz Neumann), Nomos Verlag (paperback 2012)



6. *Industrial Organization: Markets and Strategies* (with Paul Belleflamme), Cambridge University Press, xxii + 703 pages (ebook, cloth and paperback, January 2010, South Asian edition 2011)



7. *Industrial Organization and the Digital Economy* (co-edited with Gerhard Illing), MIT Press (cloth 2006).





8. *Regulation and Entry into Telecommunications Markets* (with Paul de Bijl), Cambridge University Press, xiv + 272 pages (cloth 2002, 2<sup>nd</sup> printing 2003, 3<sup>rd</sup> printing 2004, ebook 2004, Chinese translation 2006, paperback 2008).

### **Journal articles:**

1. “Denial of Interoperability and Future First-Party Entry” (with Massimo Motta), accepted for publication in *International Journal of Industrial Organization*.
2. “Inflated Recommendations” (with Anton Sobolev), accepted for publication in *RAND Journal of Economics*.
3. “Network Goods, Price Discrimination, and Two-Sided Platforms” (with Paul Belleflamme), accepted for publication in *Journal of Institutional and Theoretical Economics*.
4. “Geopolitical Risks and Prudential Merger Control” (with Massimo Motta and Volker Nocke), accepted for publication in *Journal of European Competition Law & Practice*.
5. “Reparatur am Markt: Die Sektoruntersuchung nach der 11. GWB-Novelle” (with Jens-Uwe Franck), *Perspektiven der Wirtschaftspolitik* 25, 20-27 (2024).
6. “Digital Attention Intermediaries”, *Seoul Journal of Economics* 37, 1-36 (2024).
7. “The Digital Markets Act and the Whack-A-Mole Challenge” (with Jens-Uwe Franck), *Common Market Law Review* 61, 299-344 (2024).
8. “How to Apply the Self-Preferencing Prohibition in the DMA”, *Journal of European Competition Law & Practice* 14, 310–315 (2023)
9. “Ad Clutter, Time Use, and Media Diversity” (with Simon Anderson), *American Economic Journal: Microeconomics* 15, 227-270 (2023).
10. “The Law and Economics of AI Liability” (with Miriam Buiten and Alexandre de Streel), *Computer Law & Security Review* 48, 105794 (2023).
11. “Market Power of Digital Platforms” (with Jens-Uwe Franck), *Oxford Review of Economic Policy* 39, 34-46 (2023).
12. “Learning from Electricity Markets: How to Design a Resilience Strategy” (with Natalia Fabra and Massimo Motta), *Energy Policy* 168, 113116 (2022).
13. “Student Performance and Loss Aversion” (with Dirk Engelmann and Heiko Karle), *Scandinavian Journal of Economics* 124, 420-456 (2022).
14. “Collusion Between Non-Differentiated Two-Sided Platforms” (with Lily Samkharadze), *Economics Letters* 215, 110506 (2022).
15. “The Tension Between Market Shares and Profit Under Platform Competition” (with Paul Belleflamme and Eric Toulemonde), *International Journal of Industrial Organization* 81, 102807 (2022).
16. “Market Definition in the Platform Economy” (with Jens-Uwe Franck), forthcoming in *Cambridge Yearbook of European Legal Studies (CYELS)*, 23, 91-127 (2021).
17. “Digital Platforms and the New 19a Tool in the German Competition Act” (with Jens-Uwe Franck), *Journal of European Competition Law & Practice* 12, 513-528 (2021).
18. “Big Tech Mergers” (with Massimo Motta), *Information Economics and Policy* 54, 100868 (2021).
19. “Removal of Potential Competitors – A Blind Spot of Merger Policy?” (with Massimo Motta), *Competition Law and Policy Debate* 6, 19-25 (2020).
20. “Distorted Input Ratios in Vertical Relationships” (with Dongsoo Shin), *Scandinavian Journal of Economics* 122, 1480-1509 (2020).

21. “Which Role for State Aid and Merger Control During and After the Covid Crisis?” (with Chiara Fumagalli and Massimo Motta), *Journal of European Competition Law & Practice* 11, 294-301 (2020).
22. “Rethinking Liability Rules for Online Hosting Platforms” (with Miriam Buiten and Alexandre de Streel), *International Journal of Law and Information Technology* 28, 139-166 (2020).
23. “Cartel Effects and Component Makers’ Rights to Damages” (with Jens-Uwe Franck), *World Competition* 43, 209-240 (2020).
24. “Segmentation versus Agglomeration: Competition between Platforms with Competitive Sellers” (with Heiko Karle and Markus Reisinger), *Journal of Political Economy* 128, 2329-2374 (2020).
25. “Media See-saws: Winners and Losers in Platform Markets” (with Simon Anderson), *Journal of Economic Theory* 186 (2020).
26. “Price Disclosure by Two-Sided Platforms” (with Paul Belleflamme), *International Journal of Industrial Organization* 67 (2019).
27. “Platform Competition: Who Benefits from Multihoming?” (with Paul Belleflamme), *International Journal of Industrial Organization* 64, 1-26 (2019).
28. “Managing Competition on a Platform” (with Paul Belleflamme), *Journal of Economics and Management Strategy* 28, 5-22 (2019).
29. “You are Judged by the Company you Keep: Reputation Leverage in Vertically Related Markets” (with Jay Pil Choi), *International Journal of Industrial Organization* 61, 351-379 (2018).
30. “Suppliers as Forgotten Cartel Victims” (with Jens-Uwe Franck), *New York University Journal of Law & Business* 15(1), 17-59 (2018). [Winner, 2019 Antitrust Writing Awards: Academic Articles, Private Enforcement.]
31. “A Fresh Look at Zero Rating” (with Jan Krämer), *Telecommunications Policy* 42, 501-513 (2018).
32. “De-targeting: Advertising an Assortment of Products to Loss-Averse Consumers” (with Heiko Karle), *European Economic Review* 95, 103-124 (2017).
33. “Experimentation in Two-Sided Markets” (with Sven Rady and Piers Trepper), *Journal of the European Economic Association* 15, 128-172 (2017).
34. “Information Disclosure and Consumer Awareness” (with Sanxi Li and Xiaojian Zhao), *Journal of Economic Behavior and Organization* 108, 209-230 (2016).
35. “Zwischen Sozialromantik und Neoliberalismus – zur Ökonomie der Sharing-Economy” (with Ulrich Schwalbe), *Perspektiven der Wirtschaftspolitik* 17, 232-252 (2016).
36. “Net Neutrality: A Fast Lane to Understanding the Trade-offs” (with Shane Greenstein and Tommaso Valletti), *Journal of Economic Perspectives* 30, 127-149 (2016).
37. “Net Neutrality and Inflation of Traffic” (with Florian Schuett), *International Journal of Industrial Organization* 46, 16-62 (2016).
38. “Reassessing Competition Concerns in Electronic Communications Markets” (with Tommaso Valletti), *Telecommunications Policy* 39, 896-912 (2015).
39. “The Economics of Crowdfunding Platforms” (with Paul Belleflamme and Nessrine Omrani), *Information Economics and Policy* 33, 11-28 (2015).
40. “Firm Reputation and Incentives to ‘Milk’ Pending Patents” (with Johannes Koenen), *International Journal of Industrial Organization* 43, 18-29 (2015).
41. “Loss Aversion and Consumption Choice: Theory and Experimental Evidence” (with Heiko Karle and Georg Kirchsteiger), *American Economic Journal: Microeconomics* 7, 101-120 (2015).
42. “Indirect Taxation in Vertical Oligopoly” (with Markus Reisinger), *Journal of Industrial Economics* 62, 709-755 (2014).
43. “Vertically Differentiated Duopoly with Unaware Consumers” (with Sanxi Li and Xiaojian Zhao), *Mathematical Social Sciences* 70, 59-67 (2014).
44. “Asymmetric Information and Overinvestment in Quality” (with Paul Belleflamme), *European Economic Review* 66, 127-143 (2014).

45. "Investment under Uncertainty and Regulation of New Access Networks" (with Roman Inderst), *Information Economics and Policy* 26, 28-41 (2014).
46. "Competition under Consumer Loss Aversion" (with Heiko Karle), *RAND Journal of Economics* 45, 1-31 (2014).
47. "Innovation and Waste in Supply Chain Management" (with Dongsoo Shin), *Journal of Economic Behavior and Organization* 86, 191-199 (2013).
48. "Upstream Market Power and Wasteful Retailers" (with Dongsoo Shin), *Scandinavian Journal of Economics* 115, 234-253 (2013).
49. "Informing Consumers about their own Preferences" (with Roman Inderst), *International Journal of Industrial Organization* 30, 417-428 (2012).
50. "Media Market Concentration, Advertising Levels, and Ad Prices" (with Simon Anderson, Oystein Foros, and Hans Jarle Kind), *International Journal of Industrial Organization* 30 (conference volume), 321-325 (2012).
51. "Network Investment, Access and Competition" (with Roman Inderst), *Telecommunications Policy* 36, 407-418 (2012).
52. "Market Asymmetries and Investments in Next Generation Access Networks" (with Roman Inderst), *Review of Network Economics* 11(1), 25 pages (2012).
53. "The Impact of Different Fibre Access Network Technologies on Cost, Competition and Welfare" (with Steffen Hoernig, Stephan Jay, Karl-Heinz Neumann, Thomas Plückerbaum, and Ingo Vogelsang), *Telecommunications Policy* 36, 96-112 (2012).
54. "Advance-Purchase Discounts as a Price Discrimination Device" (with Volker Nocke and Frank Rosar), *Journal of Economic Theory* 146, 141-162 (2011).
55. "Regulatory Legacy, VoIP Adoption and Investments" (with Paul de Bijl), *Telecommunications Policy* 34, 596-605 (2010).
56. "Platform Competition and Seller Investment Incentives" (with Paul Belleflamme), *European Economic Review* 54, 1059-1076 (2010).
57. "With a Little Help from my Enemy: Comparative Advertising as a Signal of Quality" (with Francesca Barigozzi and Paolo Garella), *Journal of Economics and Management Strategy* 18, 1071-1094 (2009).
58. "Umbrella Branding and External Certification" (with Hendrik Hakenes), *European Economic Review* 53, 186-196 (2009).
59. "Access Regulation and the Adoption of VoIP" (with Paul de Bijl), *Journal of Regulatory Economics* 35, 111-134 (2009).
60. "Innovation, Convergence and the Role of Regulation in the Netherlands and Beyond" (with Paul de Bijl), *Telecommunications Policy* 32, 744-754 (2008).
61. "Advertising and Content in Media: Pay-TV versus Free-to-Air" (with Tommaso Valletti), *International Journal of Industrial Organization* 26, 949-965 (2008).
62. "Umbrella Branding and the Provision of Quality" (with Hendrik Hakenes), *International Journal of Industrial Organization* 26, 546-556 (2008).
63. "Bundling May Blockade Entry", *International Journal of Industrial Organization* 26, 41-58 (2008).
64. "Platform Ownership" (with Volker Nocke and Konrad Stahl), *Journal of the European Economic Association* 5, 1130-1160 (2007).
65. "A Theory of Clearance Sales" (with Volker Nocke), *Economic Journal* 117, 964-990 (2007).
66. "Alliances between Competitors and Consumer Information" (with Paolo Garella), *Journal of the European Economic Association* 5, 823-845 (2007).
67. "Observable Reputation Trading" (with Hendrik Hakenes), *International Economic Review* 48, 693-730 (2007).
68. "Piracy of Digital Products: A Critical Review of the Theoretical Literature" (with Patrick Waelbroeck), *Information Economics and Policy* 18, 449-476 (2006).
69. "Why the Music Industry May Gain from Free Downloading - the Role of Sampling" (with Patrick Waelbroeck), *International Journal of Industrial Organization* 24, 907-913 (2006).
70. "Can DRM Create New Markets?" (with Anne Duchene and Patrick Waelbroeck), *Communications and Strategies* 62, 197-207 (2006).

71. "Marktplätze und indirekte Netzwerkeffekte", *Perspektiven der Wirtschaftspolitik* 7, 317-333 (2006).
72. "Asymmetric Regulation of Access and Price Discrimination in Telecommunications", *Journal of Regulatory Economics* 28, 327-343 (2005).
73. "Local Loop Unbundling in Europe: Experience, Prospects and Policy Challenges" (with Paul de Bijl), *Communications and Strategies* 57, 33-57 (2005).
74. "An Economist's Guide to Digital Music" (with Patrick Waelbroeck), *CESifo Economic Studies* 51, 359-428 (2005).
75. "Asymmetric Access Price Regulation in Telecommunications Markets", *European Economic Review* 49, 341-358 (2005).
76. "The Effect of Internet Piracy on CD Sales – Cross Section Evidence" (with Patrick Waelbroeck), *Review of Economic Research on Copyright Issues* 1, 71-79 (2004).
77. "Dynamic Regulation and Competition in Telecommunications Markets: A Policy Framework" (with Paul de Bijl), *Information Economics and Policy* 16, 411-437 (2004).
78. "A Strategic Approach to Software Protection: Comment", *Journal of Economics and Management Strategy* 13, 371-374 (2004).
79. "On Access Pricing in Telecoms: Theory and European Practice", *Telecommunications Policy* 27, 729-740 (2003).
80. "Hyperbolic Discounting and Secondary Markets" (with Volker Nocke), *Games and Economic Behavior* 44, 77-97 (2003).
81. "Price Competition in Address Models of Product Differentiation: Unit-Elastic Demand", *Economic Theory* 20, 849-860 (2002).
82. "New Competition in Telecommunications Markets: Regulatory Pricing Principles" (with Paul de Bijl), *Ifo Studien* (now *CESifo Economic Studies*) 48, 27-52 (2002).
83. "Competing Head-to-Head or Selling to a Fringe", *Manchester School* 70 (*Special Issue on Industrial Organization*), 134-149 (2002).
84. "The Pro-Competitive Effect of Higher Entry Costs", *International Journal of Industrial Organization* 20, 353-364 (2002).
85. "Intermediation Can Replace Certification" (with Paolo Garella), *Journal of Economics and Management Strategy* 9, 1-24 (2000).
86. "Aggregation in a Model of Price Competition", *Journal of Economic Theory* 90, 1-38 (2000).
87. "Equilibrium Uniqueness in Oligopoly Games with Strategic Complements", *Economics Letters* 65, 347-351 (1999).
88. "The Circular Road Revisited: Uniqueness and Supermodularity", *Research in Economics / Ricerche Economiche* 53, 405-420 (1999).
89. "A Difficulty with the Address Models of Product Differentiation", *Economic Theory* 14, 717-727 (1999).
90. "The Differentiation Triangle" (with Marcel Canoy), *Journal of Industrial Economics* 45, 305-328 (1997).
91. "Models à la Lancaster and à la Hotelling: When They Are the Same", *Economics Letters* 54, 147-154 (1997).
92. "Differentiated Bertrand Duopoly with Variable Demand", *Research in Economics / Ricerche Economiche* 51, 85-100 (1997).
93. "Utility Maximization in Models of Discrete Choice", *Economics Letters* 49, 91-94 (1995).



### **Presentations at conferences and workshops (\*policy oriented):**

- 09/24 \*Competition Conference of the Faroese Competition Authority, Torshavn, Faroe Islands
- 07/24 City/CMA workshop on “Economics of Competition and Regulation”, London
- 06/24 ZEW Conference “The Economics of ICT”, Mannheim
- 06/24 MaCCI Summer Institute on Competition Policy, Annweiler
- 05/24 \*Pros and Cons Conference by the Swedish Competition Authority, Stockholm
- 05/24 CREST/MaCCI workshop, Paris
- 01/24 \*JRC Digital Economics Workshop “Economic Research Contributions to the DSA”, Seville
- 11/23 \*Compass Lexecon Rising Stars Forum on Competition Policy, Düsseldorf
- 09/23 \*Annual Meeting of the Workgroup Cartel Law of the German Cartel Office, Bonn
- 08/23 EARIE, Rome
- 07/23 ZEW Conference “The Economics of ICT”, Mannheim
- 07/23 CRESSE Conference, Rhodes, Greece
- 06/23 Conference in Honor of Sven Rady’s 60th Birthday, Bonn
- 06/23 Workshop on Platform Economics, Yonsei University, South Korea
- 06/23 SJE Symposium, Seoul National University, South Korea
- 05/23 \*CLEEN Conference, Mannheim
- 05/23 MaCCI IO Day, Mannheim
- 04/23 \*Speyerer Kartellrechtsforum, Speyer, Germany
- 03/23 MaCCI Annual Conference, Mannheim
- 12/22 Economics of Platform Workshop, National University of Singapore (my talk as faculty seminar)
- 12/22 Workshop on Digital Platforms, UPF, Barcelona
- 11/22 \*MaCCI Law and Economics Conference, Mannheim
- 11/22 \*Annual Conference of the Association of Competition Economics (ACE), Lisbon
- 10/22 \*8th International Forum “Challenges to Competition in the Digital Era 2022”, IFT Mexico
- 09/22 \*Latin American and Caribbean Competition Forum, Rio de Janeiro
- 07/22 CRESSE Conference, Heraklion, Greece
- 06/22 Workshop “The Economics of Advertising and Marketing”, London
- 06/22 MaCCI Summer Institute on Competition Policy, Puchberg am Schneeberg, Austria
- 05/22 NERI Workshop, Genova, Italy
- 04/22 CRC TR 224 Spring Conference, Montabaur
- 12/21 Asia Pacific Industrial Organization Conference (APIOC), virtual
- 09/21 Annual Meeting of the German Economics Association, virtual
- 09/21 CRESSE Conference, Heraklion, Greece
- 05/21 \*Concurrences Roundtable Concurrences Roundtable “Will a One-Size-Fits-All Digital Markets Act Deliver for Consumers?” virtual
- 02/21 \*Lancaster University conference “Game Theoretic and Behavioural Economic Insights on Social Media”, virtual
- 02/21 \*EUI policy workshop “The Digital Governance Challenge”, virtual
- 02/21 \*BBK and Basque Competition Authority Conference “Transformación digital para el comercio”, virtual (invited talk)
- 10/20 CRC TR 224 Fall Conference, virtual
- 02/20 \*CERRE Executive Seminar, Brussels (invited talk)
- 01/20 \*L&A Competition Day, Hamburg (invited lecture)
- 12/19 \*International Workshop on Advances in Competition Policy Analysis. Rio de Janeiro (invited lecture)
- 11/19 \*ACE Conference, Copenhagen
- 09/19 Berlin IO Day, Berlin
- 07/19 \*CRESSE Conference, Rhodes, Greece
- 06/19 Economics of ICT Conference, Mannheim
- 06/19 CEPR Applied IO Conference, Madrid
- 05/19 Economics of Platforms Workshop, Bologna
- 07/18 Platform Strategy Research Symposium, Boston
- 07/18 CRESSE Conference, Heraklion, Greece
- 06/18 Economics of ICT Conference, Mannheim
- 04/18 CRC TR 224 Spring Conference, Offenbach
- 04/18 Economics of Platforms Workshop, Rome
- 03/18 \*Worldbank conference “A New Economy for Middle East and North Africa countries, Youth, Technology and Finance”, Algiers (keynote lecture)

- 03/18 Annual Meeting of the Section on Industrial Economics of the German Economic Association (Verein für Socialpolitik), Vienna
- 01/18 Digital Economics Conference, Toulouse
- 12/17 \*MaCCI Competition and Regulation Day, Mannheim
- 09/17 Workshop on Economics of Platforms, Barcelona
- 09/17 EARIE Conference, Maastricht (invited talk)
- 07/17 CRESSE Conference, Heraklion, Greece
- 06/17 Swiss IO Day, Bern (keynote lecture)
- 06/17 \*Workshop “Digital Markets”, German Federal Ministry for Economic Affairs and Energy, Berlin
- 04/17 ESMT Economics of Platforms Workshop, Berlin
- 12/16 MaCCI Workshop on Applied Microeconomics, Bad Homburg
- 11/16 MaCCI Competition and Regulation Day, Mannheim
- 08/16 EARIE Conference, Lisbon, Portugal
- 07/16 CRESSE Conference, Rhodes, Greece
- 06/16 MaCCI Summer Institute, Schloss Burgellern
- 03/16 Annual Meeting of the Section on Industrial Economics of the German Economic Association (Verein für Socialpolitik), Regensburg
- 10/15 Japanese Economic Association Meeting, Tokyo (invited talk)
- 09/15 ECODEC Conference “Advances in the Economics of Antitrust and Consumer Protection”, Paris (invited talk)
- 09/15 Jornadas de Economía Industrial, Alicante (invited talk)
- 08/15 EARIE Conference, Munich
- 08/15 European Economic Association Meeting, Mannheim (invited session)
- 03/15 MaCCI Annual Conference, Mannheim
- 08/14 EARIE Conference, Milan
- 07/14 CRESSE Conference, Corfu, Greece
- 06/14 Economics of ICT-Conference, Mannheim
- 06/14 \*International Conference “An Enterprise Odyssey”, Zadar, Croatia (keynote lecture)
- 03/14 Florence School of Regulation - Media and Telecoms annual conference
- 01/14 Economics of ICT-Conference, Paris
- 12/13 Workshop Multi-sided Platform Markets, Singapore
- 11/13 \*MaCCI Law and Economics Conference on search engines, Mannheim
- 07/13 CRESSE Conference, Corfu, Greece
- 06/13 ZEW-MaCCI conference “Economics of Information and Communication Technologies”, Mannheim
- 11/12 MaCCI IO day, Mannheim
- 10/12 ICT conference, Paris (keynote lecture)
- 09/12 \*Conference “Der SIEC-Test in der 8. GWB-Novelle”, Bonn
- 09/12 EARIE Conference, Rome
- 07/12 CRESSE Conference, Chania, Greece
- 06/12 ZEW Conference “Economics of Information and Communication Technologies”, Mannheim
- 06/12 MaCCI Summer Institute in Competition Policy, Deidesheim, Germany
- 03/12 Workshop on the Economics of ICTs, Porto, Portugal (keynote lecture)
- 02/12 Annual Meeting of the Section on Industrial Economics of the German Economic Association (Verein für Socialpolitik), Munich
- 11/11 \*Symposium “Net neutrality”, German ministry of economics, Berlin
- 10/11 SFB-TR 15 meeting, Tutzing, Germany
- 09/11 Jornadas de Economía Industrial, Valencia (invited talk)
- 09/11 Annual meeting of the Verein für Socialpolitik, Frankfurt
- 06/11 CRESSE-conference, Rhodes, Greece (invited lecture)
- 06/11 Workshop “The Economics of Advertising and Marketing”, Moscow
- 05/11 ZEW-conference “Economics of Innovation and Patenting”, Mannheim

03/11 Florence School of Regulation - Media and Telecoms annual conference  
 09/10 EARIE-Conference, Istanbul  
 07/10 24<sup>th</sup> International Conference on Industrial Organization, UBC, Vancouver (invited talk)  
 06/10 Workshop “The Economics of Advertising and Marketing”, Barcelona  
 03/10 Workshop on the Economics of ICTs, Porto, Portugal  
 02/10 DIW-conference on vertically related markets, Berlin  
 09/09 NEREC annual conference, Madrid (invited lecture)  
 09/09 EARIE-conference, Ljubljana, Slovenia  
 06/09 SFB TR 15 workshop “Behavioral Models of Market Competition”, Bad Homburg, Germany  
 06/09 Workshop “The Economics of Advertising and Marketing”, Paris  
 01/09 American Winter Meeting of the Econometric Society, San Francisco  
 12/08 \*International Workshop on Communications Regulation in the Age of Digital  
 Convergence, Karlsruhe, Germany (invited lecture)  
 10/08 SFB-TR 15 meeting, Frauenchiemsee, Germany  
 10/08 ZEW-conference “Impact of Regulation on Investment and Innovation Incentives”, Mannheim  
 08/08 Econometric Society European Meeting, Milan  
 08/08 Meeting of the European Economic Association, Milan  
 07/08 ZEW-conference “Economics of Information and Communication Technologies”,  
 Mannheim  
 07/08 European Summer Symposium on Economic Theory, Gerzensee, Switzerland  
 04/08 SFB-TR 15 meeting, Gummersbach, Germany  
 04/08 \*3<sup>rd</sup> Scientific Roundtable, “Bundling and Competition”, DIW Berlin  
 04/08 1st COST Action 605 Meeting “Econ@Tel”, ITPS, Seville, Spain  
 09/07 \*Digital Media Summit, Hampshire, UK  
 08/07 Econometric Society European Meeting, Budapest  
 06/07 ZEW Summer Workshop, Mannheim (two invited lectures)  
 03/07 SFB-TR 15 conference, Mannheim  
 12/06 ZEW Workshop on Internet Policy, Mannheim  
 11/06 \*Annual Meeting of the Association of Competition Economists (ACE),  
 Mannheim  
 11/06 \*ENCORE/OPTA-conference “The Future of Telecommunications”, Amsterdam  
 10/06 ZEW Workshop on ICT and Firm Strategies, Mannheim  
 06/06 Conference on the Economics of Information and Communication Technologies,  
 ENST Paris (invited lecture)  
 05/06 \*UCL Antitrust and Regulation Colloquium “Competition Policy in Two-Sided  
 Industries”, London (invited lecture)  
 03/06 Annual Meeting of the Industrial Economics Section of the German  
 Economic Association (Verein für Socialpolitik), Essen  
 03/06 \*Conference “Cost versus Incentive Regulation in Network Industries”, Hessian  
 Ministry of Economics, Wiesbaden (keynote lecture)  
 11/05 \*Annual Meeting of Colegio de Economistas de Catalunya, Barcelona (keynote  
 lecture)  
 10/05 3<sup>rd</sup> Workshop on Media Economics, Hamburg  
 07/05 European Summer Symposium on Economic Theory, Gerzensee (invited talk)  
 07/05 ZEW-conference Economics of Information and Communication Technologies,  
 Mannheim  
 03/05 Annual Meeting of the Section on Industrial Economics of the German  
 Economic Association (Verein für Socialpolitik), Mannheim  
 10/04 WIP-Conference “Applied Infrastructure Research”, Berlin  
 08/04 European Economic Association Meeting, Madrid  
 07/04 SFB-TR 15 conference, Gummersbach  
 03/04 CESifo Area Conference in Industrial Organization, Munich  
 03/04 Annual Meeting of the Section on Industrial Economics of the German  
 Economic Association (Verein für Socialpolitik), Vallendar, Germany  
 01/04 CEPR/IDEI Conference “The Economics of Two-Sided Markets”, Toulouse  
 03/03 CESifo Area Conference Industrial Organization, Munich  
 03/03 Annual Meeting of the Industrial Economics Section (“industriecoönomischer  
 Ausschuß”) of the German Economic Association, Munich  
 08/02 Kiel Workshop on the Economics of Information and Network Industries, Kiel  
 07/02 European Summer Symposium on Economic Theory, Gerzensee

06/02 ZEW-conference Economics of Information and Communication Technologies, Mannheim  
 11/01 CESifo-conference Spectrum Auction and Competition in Telecommunications, Munich  
 06/01 Telecommunications conference, Madrid  
 11/00 ASSET-meeting, Lisbon  
 08/00 Econometric Society World Meeting, Seattle  
 09/99 Annual Meeting of the German Economics Association, Mainz  
 08/99 Econometric Society European Summer Meeting, Santiago de Compostella  
 05/99 European Workshop on General Equilibrium Theory, Copenhagen  
 10/98 ASSET-meeting, Bologna  
 07/98 Econometric Society Australasian Meeting, Canberra  
 07/98 Industry Economics Conference, Canberra  
 01/98 Econometric Society European Winter Meeting, Liblice, Czech Republic (by invitation)  
 06/97 Econometric Society North American Summer Meeting, Pasadena, CA  
 06/97 SAET conference “Economic Theory and Applications”, Antalya, Turkey  
 03/97 IVIE-Workshop “Imperfect Competition”, Alicante  
 12/96 21st Simposium of Economic Analysis, Barcelona  
 11/96 ASSET-meeting, Alicante  
 08/96 Econometric Society European Meeting, Istanbul  
 12/95 20th Simposium of Economic Analysis, Barcelona  
 09/95 EARIE Conference, Juan-les-Pins, France  
 09/94 Econometric Society European Meeting, Maastricht  
 07/94 SITE Summer Workshop, Stanford U.  
 06/94 European Workshop on General Equilibrium Theory, Copenhagen

### **Invited seminars:**

2024: University of Namur; Belgian Competition Authority; Hong Kong Competition Commission; University of Verona (scheduled); Bocconi University (scheduled); Singapore Management University (scheduled); Nanyang Technological University (scheduled); Competition and Consumer Commission of Singapore (scheduled); University of Technology Sydney (scheduled); Monash University (scheduled)

2023: NYU Abu Dhabi; Del Rosario University, Bogota; Universidad Nacional de Colombia, Bogota; Universidad Externado, Bogota; TSE Economics of Platform Seminar Series; Wifo Austria; Korean Fair Trade Commission; Korea University; European Commission, DG Comp; Hitotsubashi University, Tokyo; Competition Policy Research Center of the Japan Fair Trade Commission; Kyoto Institute of Economic Research; Competition Commission of India

2022: Autoridade da Concorrência, Portugal; National University of Singapore; Competition and Consumer Commission of Singapore

2021: Hong Kong University of Science and Technology; Paris School of Economics; University of St Gallen; DICE, University of Düsseldorf; ICESI and Banco de la Republica, Cali, Colombia; University of Padova

2020: CORE, Université catholique de Louvain; Del Rosario University, Bogota; Universitat de Barcelona.

2019: Pontificia Universidad Católica de Chile, Santiago de Chile; Comisión Nacional de Defensa de la Competencia, Buenos Aires; University of Cambridge; University of Vienna; University of Oxford; EIEF, Rome; University of Copenhagen; FGV, Rio de Janeiro.

2018: DG Comp, European Commission; University of Cologne; University Dauphine, Paris; Karlsruhe Institute of Technology; University Regensburg; University of Passau.

2017: Del Rosario University, Bogota (2); Universidad Pablo de Olavide, Seville; University of Helsinki.

2016: National University of Singapore; Singapore Management University; University of Naples; University of Würzburg.

2015: CERGE Prague; University of Tokyo; Hitotsubashi University; Keio University; Kyoto Institute of Economic Research; Osaka University; Toulouse School of Economics.

2014: DICE, University of Düsseldorf; Hong Kong University of Science and Technology; City University of Hong Kong; Humboldt University Berlin.

2013: University of Santa Clara, California; University of Alicante; Tel Aviv University; University of Virginia; University Bocconi, Milan; State University of Milan; Telecom Paristech; Ecole Polytechnique, Paris; National University of Singapore.

2012: Athens University of Economics and Business; CORE, Université catholique de Louvain; University of Porto; University of Valencia; University Jaume I, Castellon; Renmin University,

Beijing; University of Murcia; Paris School of Economics; WHU Koblenz; University of Zurich.

2011: DICE, University of Düsseldorf; Telecom Paristech; University of Rome Tor Vergata; University of Bern; ECARES, Free University of Brussels.

2010: University of Munich; University of Hamburg; University of Toulouse I; University of Frankfurt; University of Porto; University of Tilburg.

2009: Ecole Polytechnique (CREST), Paris; University Pompeu Fabra, Barcelona; CMT (Spanish Telecommunications Regulator); University Nova of Lisbon; Technical University of Lisbon; University of Copenhagen; Athens University of Economics and Business; University of Frankfurt; WZB Berlin.

2008: University of Maastricht; University of Oxford; University Carlos III, Madrid; CERGE-EI, Prague.

2007: University of Edinburgh; DIW Berlin; Queen Mary University of London; CORE, Université catholique de Louvain; University of Hannover; WHU Koblenz.

2006: University of Cologne; Opta (Dutch regulator for telecommunications and postal services), The Hague; University of Mannheim; Portuguese Competition Authority; ARCEP (French telecommunication and post regulator).

2005: Erasmus University Rotterdam; University Pompeu Fabra, Barcelona; University of Tilburg.

2004: University of Bologna; University of Heidelberg; University of Cologne.

2003: University of Munich; University of Dortmund; University of Marburg; University of Mainz; International University in Germany, Bruchsal; University of Alicante.

2002: University of Zurich; University of Karlsruhe; ZEW Mannheim; ECARES, Free University of Brussels.

2001: University of Vienna.

2000: University of Frankfurt.

1999: CPB Netherlands Bureau of Economic Policy Analysis, The Hague; University Carlos III, Madrid; Stern School of Business-NYU; University of Virginia; Virginia Polytechnic Institute; University of Pennsylvania; Yale University; University of Copenhagen; University of Bielefeld.

1998: CEMFI, Madrid; London School of Economics; La Trobe University, Melbourne.

1997: University of Bielefeld.

1996: Institute of Advanced Studies and University of Vienna; ENPC, Paris.

1995: University Pompeu Fabra, Barcelona; IAE, Barcelona; University Jaume I., Castellon.

1994: University of Alicante; University of Copenhagen; CEPREMAP, Paris.

## **Grants:**

Research grants from

- German Research Association (CRC TR 224, project leader); 2022-2025; 440,000 € for project.
- German Research Association (CRC TR 224, deputy spokesperson, coordinator for Mannheim, and project leader); 2018-2021; 9 million € total.
- German Research Association (individual project, jointly with Volker Nocke); 2014-2017; 480,000 €.
- German Research Association (SFB TR 15, project leader and coordinator for Mannheim); 2012-2015; 400,000 € for project.
- German Research Association (individual project, jointly with Volker Nocke); 2011-2014; 300,000 € combined.
- German Research Association (SFB TR 15, project leader); 2008-2011; 150,000 € for project.
- European Union COST Action ("Econ@Tel - A Telecommunications Economics Cost Network"); 2007-2011.
- ENCORE at the University of Amsterdam; 2005-2006.
- Dutch telecom regulator Opta; 1999.
- Spanish Ministry of Education; 1996-2000.
- Instituto Valenciano de Investigaciones Económicas (IVIE); individual grants, 1997 and 2000.

## **Policy reports and policy advice (selection)**

- expert for the European Parliament on the enforcement of the Digital Markets Act, 2024
- expert for the German Parliament on the 11th amendment of the German Competition Act, 2023
- economic expert report on market investigations for the European Commission, 2020
- study on attention intermediaries for GSMA, 2020
- three studies for the German Federal Ministry for Economic Affairs on the digital economy in 2015-2017, with Fetzer and Schweitzer
- policy reports for the Centre on Regulation in Europe CERRE, 2012-2022 (challenges for telecommunications regulation; market definition in electronic communications markets; consumer privacy; platform liability rules; market definition and market power for digital platforms; liability of artificial intelligence; DMA obligations)
- three studies for the German Federal Ministry for Economic Affairs (BMWi) on net neutrality in 2011-2014, with Fetzer and Schweitzer
- four studies for the German Federal Ministry for Economic Affairs (BMWi) on next generation networks (NGN) in 2010-2011 with Inderst, Kühling, and Neumann
- commissioned in-house seminars and advice for European Commission and competition authorities of Argentina, Australia, Belgium, Brazil, Canada, Chile, Colombia, Hong Kong, India, Japan, Mexico, Philippines, Portugal, Singapore, South Korea and national regulators from France, Mexico and the Netherlands on issues related to competition policy and regulation of digital markets, telecoms, media, and network-based industries

### **Other professional activities:**

- Guest editor, *Journal of Competition Law & Economics*, special issue “Common ownership and interlocking directorates,” 2022
- Guest editor, *Journal of Economics and Management*, special issue “Platform economics,” 2019
- Guest editor, *International Journal of Industrial Organization*, EARIE conference volume, 2012
- Guest editor, *Information Economics and Policy*, special issue “Economics of Digital Piracy,” December 2010
- Guest editor, *CESifo Economic Studies*, special issue “Understanding the Digital Economy – Facts and Theory,” May 2005
- Guest editor, *Information Economics and Policy*, special issue “Competition in Telecommunications,” September 2004
  
- Member of the scientific committee of the Econometric Society European Meeting, 1997, 2006, 2007
- Member of the scientific committee of the European Economic Association Meeting, 2015
- Member of the scientific committee of the EARIE-conference, 2004-2006, 2009, 2010, 2012, 2015-2019, 2021-2024
- Member of the scientific committee of the European Regional ITS Conference, 2007
- Member of the scientific committee of the EPIS-workshop “Economic Analysis of Trademarks and Brands,” 2008
- Member of the scientific committee of CCTE Conference of Telecommunications Technoeconomics, 2006-2008, 2010, 2011
- Member of the scientific committee of the 1st Conference of the Research Network on Innovation and Competition Policy: “Modern Approaches in Competition Policy,” 2007
- Member of the scientific committee of the ZEW-conference “Impact of Regulation on Investment and Innovation Incentives,” 2008
- Member of the scientific committee of the ZEW-conference “Ex-post Evaluation of Competition Policy,” 2009
- Member of the scientific committee of the University of Salento-workshop “Industrial Organization: Theory, Empirics and Experiments,” 2009
- Member of the scientific committee of the RNIC Annual Conference, 2009
- Member of the scientific committee of the NEREC Annual Conference on Electronic Communications, 2009
- Member of the scientific committee of the Ifo/OECD Conference on “Regulation: political economy, measurement and effects on performance,” 2010
- Member of the scientific committee (and co-organizer) of the ZEW-conference “Platform Markets: Regulation and Competition Policy,” 2010
- Member of the scientific committee of the ZEW-conference “Quantitative Analysis in Competition Assessments,” 2010
- Member of the scientific committee of the ZEW-conference on Economics of Innovation and Patenting, 2011
- Member of the scientific committee of the ZEW-conference “Economic Methods in Competition Law Enforcement,” 2011

- Member of the scientific committee of the “Workshop on the Economics of ICT” (Portugal), 2011-2015
- Member of the scientific committee of the Mannheim Energy Conference, 2012-2015
- Member of the scientific committee of the ZEW-MaCCI conference on Economics of Innovation and Patenting, 2013, 2014
- Member of the scientific committee of the Conference of the Economics of ICT/Digital Economics, Paris, 2014, 2015, 2017-2020, 2022, 2023.
- Co-organizer and member of the scientific committee of the MaCCI Annual Conference, 2011-2025.
- Co-organizer (2008-2021) and member of the scientific committee of the ZEW-conference “Economics of Information and Communication Technologies,” 2003, 2008-2025.
- Co-organizer and member of the scientific committee of the MaCCI Law and Economics Conference, 2012, 2015, 2017, 2023, 2025.
- Co-organizer of the MaCCI Summer Institute in Competition Policy, Bad Homburg, June 2025.
- Co-organizer of the MACCI/JRC Digital Economics Workshop, Mannheim, June 2024.
- Co-organizer and panelist of the MaCCI/Compass Lexecon Workshop “An Economic Perspective on the Digital Markets Act”, Cologne, November 2023
- Co-organizer of the MaCCI Summer Institute in Competition Policy, Edesheim, June 2023.
- Organizer of the MaCCI / CRC TR 224 Summer School on Platform Economics, July 2022, Annweiler
- Co-organizer of the MaCCI Summer Institute in Competition Policy, Annweiler, August 2021.
- Organizer of the CRC TR 224 Spring Conference, virtual, April 2021.
- Co-organizer of the CRC TR 224 Workshop “Advances in Platform Economics”, Bonn, February 2020.
- Co-organizer of the MaCCI Summer Institute in Competition Policy, Bamberg, June 2019.
- Organizer of the CRC TR 224 Spring Conference, Mainz, April 2019.
- Co-organizer of the MaCCI Summer Institute in Competition Policy, Annweiler, June 2018.
- Organizer of the CRC TR 224 Spring Conference, Offenbach, April 2018.
- Co-organizer of the MaCCI Summer Institute in Competition Policy, Alsfeld, June 2017.
- Organizer of the Conference in preparation for the CRC TR 224, Mannheim, March 2017.
- Organizer of MaCCI Workshop on Advances in Applied Microeconomics, Bad Homburg, December 2016.
- Co-organizer of the MaCCI Summer Institute in Competition Policy, Bamberg, June 2016.
- Co-organizer of the MaCCI Summer Institute in Competition Policy, Schloss Gracht, June 2015.
- Co-organizer of the MaCCI workshop “Behavioral Industrial Organization,” Bad Homburg, March 2015.



- Organizer of the ENTER Jamboree, Mannheim, March 2015.
  - Co-organizer of the MaCCI workshop “Consumer Search,” Bad Homburg, October 2014.
  - Co-organizer of the MaCCI Summer Institute in Competition Policy, Romrod, June 2014.
  - Co-organizer of the SFB TR 15 spring conference, Mannheim, April 2014.
  - Co-organizer of the MaCCI workshop “Procurement and Contracts,” Frankfurt, October 2013.
  - Co-organizer of the MaCCI Summer Institute in Competition Policy, Edesheim, June 2013.
  - Co-organizer of the MaCCI workshop “Reputation in Markets and Organizations,” Frankfurt, November 2012
  - Co-organizer of the MaCCI Summer Institute in Competition Policy, Deidesheim, June 4-June 8, 2012.
  - Co-organizer of the SFB TR 15 spring conference, Mannheim, April 2012.
  - Co-organizer of the MaCCI Summer Institute in Competition Policy, Speyer, June 13-June 17, 2011.
  - Co-organizer of the workshop “Behavioral Models of Market Competition,” Bad Homburg, June 18-21, 2009.
  - Organizer of the CEPR Applied IO conference, Mannheim, May 14-16, 2009.
  - Co-organizer of the ZEW-workshop “Web 2.0,” Mannheim, December 11-12, 2008.
  - Organizer of the workshop “The Economics of Advertising and Marketing,” Bad Homburg, June 12-15, 2008.
  - Co-organizer of the CESifo conference “Understanding the Digital Economy,” Munich, July 2-3, 2004.
  - Organizer of "IVIE-workshop on Imperfect Competition," University of Alicante, March 6-8, 1997
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- Reviewer for the Japan Society for the Promotion of Science, 2016
  - Reviewer for the German Research Association, 2009, 2010, 2011, 2013
  - Reviewer for the Social Sciences and Humanities Research Council of Canada, 2007
  - Reviewer Studienstiftung des Deutschen Volkes, 2010
  - Reviewer US-Israel Binational Foundation, 2011
  - Reviewer for the German Academic Exchange Service DAAD, 2000, 2001
  - Reviewer of TMR network proposals for the European Commission, 1997
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- Referee  
American Economic Journal: Microeconomics, American Economic Review, AER: Insights, B.E. Journal of Economic Analysis and Policy, Bulletin of Economic Research, Cambridge University Press, CESifo Economic Studies/Ifo-Studien, Economic Inquiry, Economic Journal, Economic Theory, Economics Bulletin, European Economic Review, Economics Letters, Games and Economic Behavior, German Economic Review, IEEE Spectrum, Information Economics and Policy, International Economic Review, International Journal of Game Theory, International Journal of Industrial Organization, International Journal of Production Economics, International Journal of the Economics of Business, Investigaciones Económicas, Journal of Antitrust Enforcement, Journal of Competition Law and Economics, Journal of Economic Behavior and Organization, Journal of Economic Theory, Journal of Economics,

Journal of Economics & Management Strategy, Journal of Industrial Economics, Journal of Institutional and Theoretical Economics, Journal of Mathematical Economics, Journal of Media Economics, Journal of Political Economy, JPE Micro, Journal of Public Economics, Journal of Regulatory Economics, Journal of the European Economic Association, Management Science, Manchester School, Marketing Science, MIT Press, Netnomics, Quantitative Marketing and Economics, RAND Journal of Economics, Regional Science and Urban Economics, Review of Economic Studies, Review of Industrial Organization, Review of Network Economics, Scandinavian Journal of Economics, Spanish Economic Review, Telecommunications Policy.