

May 2018

Curriculum Vitae John Howells

Current Position Associate Professor
Department of Management,
School of Business and Social Science,
Aarhus University
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Academic Appointments

1999- Associate Professor, Department of Business Administration, Aarhus University
1992-1999, Lecturer, Department of Management Studies, Brunel University.
1990-1992, Lecturer, Department of Business Studies, University of Edinburgh.
1989-1990, Research Fellow, Department of Business Studies, University of Edinburgh.
1986-1989, Research Fellow, Department of Business Studies, Nottingham Trent University.

Academic Degrees & Education

PhD, Nottingham Trent University 1989, 'A Study of the Management of Failed Technical Innovation; New Fermented Foods in Western Europe,' Prof. T.J. Watson. External, Professor Christopher Freeman, Science Policy Research Unit, Sussex University.
MSc, Science and Technology Policy, 1984, Department of Science and Technology Policy, Manchester University.
BSc, Physics, (Honours) upper second honours, 1982 University of Bristol.

Selected Funds Granted

October, 2015, \$US 10,400 Edison Innovation Fellowship from Center for the Protection of Intellectual Property, Faculty of Law, George Mason University to develop an original paper on patent law
July 2015, \$US 8,300 Da Vinci fund grant from Center for the Protection of Intellectual Property, Faculty of Law, George Mason University to fund archival research at Ford Museum Detroit on Selden patent.
August 2014, USD 4000 from Qualcomm to sponsor conference 'Unified European Patent Court', Copenhagen, Radisson Blu Scandinavia hotel, Tuesday, 21st October, 2014.

May 2018

Peer-reviewed Academic Publications

Academic Books and Edited Books

Howells, J (2005) *The Management of Technological Innovation – The Shaping of Technology and Institutions of the Market Economy*, London and New York, Sage, pp. 1-290.

Howells, J (1994) *Managers and Innovation - The Strategic Construction of a Biotechnology*, London, Routledge, pp. 1-224.

Howells, J and Hine J eds, (1993) *Innovative Banking - Competition and the Configuration of a New Network Technology*, London, Routledge, pp.1-238.

Academic Refereed Journal Articles

Public full draft papers SSRN.com

Howells, J and Katznelson, RD (2016) ‘The ‘Overly-Broad’ Selden Patent, Henry Ford and Development in the Early US Automobile Industry’ 32 pages, *download* paper from SSRN: [Henry Ford and the "Overly-Broad" Selden patent](#).

Howells, J and Katznelson, R (2015) ‘The Coordination of Independently-Owned Vacuum Tube Patents in the Early Radio Alleged Patent ‘Thicket’ 33 pages, *download* paper from SSRN: [Did the patent thicket in early US radio hold-up radio development?](#)

Howells, J (2015) ‘The Growth and Agglomeration of the Danish Furniture Industry - The Role of Design, Post-War Markets, IKEA-sourcing and Proximity-Induced Firm Learning’ 35 pages, *download* paper from SSRN: [Growth and Agglomeration of the Danish Furniture Industry](#)

Katznelson, R & Howells, J (2014) ‘Inventing Around Edison’s Incandescent Lamp Patent: Evidence of the Role of Patents in Stimulating Downstream Development’ 55 pages, *download* paper from SSRN: [Invention around Edison's incandescent lamp patent](#)

Howells, J and Katznelson, RD (2013) ‘A Critique of Mark Lemley’s ‘The Myth of the Sole Inventor,’ Edited on-line version: [Link to edited IP Watchdog article](#)
Full draft: <http://bit.ly/Lemley-Critique>

Published

Howells, J, and Scholderer, J (2016) ‘Forget Unlearning: How an Empirically Unwarranted Concept was Imported from Psychology to Flourish in Management Studies’, *Management Learning*, **47**, 4, pp. 1-37. [Link to article Forget Unlearning](#).

Katznelson, R and Howells, J (2015) ‘The Myth of the Early Aviation Patent Hold-up – How a US Government Monopsony Commandeered Pioneer Airplane Patents’ *Industrial and Corporate Change* **24**, 1, pp. 1-64 [Link to full text in journal](#).
Article is in ‘Editors’ choice’ list of the best of ICC articles: [Editors' choice of best of ICC](#)

Howells J (2002) ‘The Response of Old Technology Incumbents to Technological Competition – Does the Sailing Ship Effect Exist?’ *Journal of Management Studies*, **39**, 7, pp. 887-907.

May 2018

Fleck J and Howells, J (2001) 'The Technology Complex and the Paradox of Technological Determinism', *Technology Analysis and Strategic Management*, **13**, 4, pp. 523-531.
Reprinted in Bettley, A., Mayle, D. and Tantoush, T eds, (2005), Operations Management – A Strategic Approach, London, Sage.

Howells J (2001) 'Learning from Failure,' *Research Technology Management*, May – June, pp. 8-9.

Howells J (1997) 'Rethinking the Markets-Technology Relationship for Innovation' *Research Policy*, **25**, pp. 1209-1219.

Howells J (1997) 'Management and the Hybridisation of Expertise in Network Design – EFTPOS in Retrospect,' *Journal of Information Technology*, **12**, 1, pp. 83-95.

Howells J (1996) 'Technology and Globalisation - The European Payments System as a Case of Non-Globalisation', *Technology Analysis and Strategic Management*, **8**, 4, pp. 455-466.

Howells J (1995) 'A Socio-Cognitive Approach Towards Innovation' *Research Policy*, **24**, pp. 883-894.

Howells J (1995) 'The Social Constitution of Technical Expertise' *Technology Analysis and Strategic Management*, **7**, 2, pp. 249-265.

Alexander N, Howells J and Hine J (1992) 'EFTPOS: Impact on Channel Relationships,' *International Journal of Bank Marketing*, **10**, 6, pp. 38-44.

Howells J and Hine J (1991) 'Competitive Strategy and the Implementation of a New Network Technology - The Case of EFTPOS in the UK', *Technology Analysis and Strategic Management*, **3**, 4, pp. 397-425.

Alexander N, Hine J and Howells J (1991) 'EFTPOS, Before and After: Retailer Reaction', *International Journal of Retailing and Distribution Management*, **19**, 5, pp. 9-15.

Chapters in Academic Books

Howells, J (2001) 'The Response of Old Technology Incumbents to Technological Competition: Does the Sailing Ship Effect Exist?' Khalil, TM, Lefebvre, LA and Mason, RM eds., Management of Technology: The Key to Prosperity in the Third Millennium London, Pergamon. P175-195.

Howells J (1997) 'Technology and Globalisation: Electronic Funds Transfer Systems in Europe as a Case of Non-Globalisation', in Talalay M, Farrands C and Tooze R eds, Technology, Culture and Competitiveness, London: Routledge. P167-179.

Howells J (1993) 'Network Decisions - The Technical Design of EFTPOS', in Howells J and Hine J eds, Innovative Banking - Competition and the Configuration of a New Network Technology, London: Routledge

May 2018

Howells J (1993) 'Changing Perceptions of Security Needs and EFTPOS Design', in Howells J and Hine J eds, Innovative Banking - Competition and the Configuration of a New Network Technology, London: Routledge

Howells J and Hine J (1993) 'Conclusions - The Future of the Banks and Electronic Funds Transfer', in Howells J and Hine J eds, Innovative Banking - Competition and the Configuration of a New Network Technology, London: Routledge

Howells J and Hine J (1993) 'Competition, Cooperation and the Design of an EFTPOS Network', in Howells J and Hine J eds, Innovative Banking - Competition and the Configuration of a New Network Technology, London: Routledge

Howells J, Alexander N and Hine J (1993) 'The Design of EFTPOS and the Bank - Retailer Relationship' in Howells and Hine eds, Innovative Banking - Competition and the Configuration of a New Network Technology, London: Routledge

Hine J and Howells J (1993) 'Organisations and the Development of EFTPOS' in Howells J and Hine J eds, Innovative Banking - Competition and the Configuration of a New Network Technology, London: Routledge

Hine J and Howells J (1993) 'The Banking Context for EFTPOS Development', in Howells J and Hine J eds, Innovative Banking - Competition and the Configuration of a New Network Technology, London: Routledge

May 2018

Recent Invited talks

Katznelson, RD and Howells J (2018) “The Reliability of Government Sources as Evidence that Pioneer Patents Block Development,” [What Patents Really Do: Historical Perspectives on Current Debates, A Conference of the Hoover Institution Working Group on Intellectual Property, Innovation, and Prosperity, May 17 – 18](#), Hoover Institution, Stanford University.

Howells, J and Katznelson, RD (2017) “The Seductive-Plausibility of Patent Hold-Up Myths — A Flawed Historiography of Patents” [The Value of Patents – Inventors and Intellectual Property from the Steam Engine to Software](#)”, October, 19th-20th, Hoover Institution, Stanford University, at Thomas B Fordham Foundation 1016 16st, NW Washington DC 20036, USA.

Howells, J (2016) ‘Rebuttal of Four Entrenched Myths of Patent Development “Hold-Up”’ [Do Patents have a Chilling Effect on the Incentives for Research and Development?](#) 16th November, Institute for Brand and Innovation Law, UCL Faculty of Laws, UCL Events Pavilion, Gower Street, London.

Howells, J and Katznelson, RD (2016-17) ‘[Simultaneous Invention and the Patent Law](#)’ paper developed through invitation onto a George Mason University Faculty of Law Edison Fellowship and presented with expert commentary at:

April 21-22, 2016 at the Loews Royal Pacific Resort in Orlando, FL.

September 15-16, 2016 at George Mason University School of Law in Arlington, VA.

January 26-27, 2017 at Omni Austin Hotel Downtown in Austin, TX.

Katznelson RD and Howells, J (2014) ‘[Historical Error and the Theory that Pioneer Patents Block Downstream Development](#),’ *Leadership in Intellectual Property Conference*, 20th-21st March, Qualcomm, San Diego, CA.

Howells, J (2013) ‘Competing Explanations for Growth in the Development of the Danish Furniture Industry,’ CIRCLE seminar series, Lund University, June 5th.

Scientific Review Activity

I am an ad hoc reviewer for journals including; *Technology Analysis and Strategic Management*; *Research Policy*; *Management Learning*; *Scandinavian Management Journal*; *Science, Technology and Human Values*. Also various management conferences and British ESRC grant proposals in the innovation subject area.

May 2018

Visiting Posts

2016 October – December, Visiting Fellow, Institute of Brand and Innovation Law, Faculty of Laws, University College London.

2015 September–December, Visiting Fellow, Hoover Institution Working Group on Intellectual Property Innovation and Prosperity, Stanford University.

2004 October-December, Lally School of Management and Technology, Rensselaer Polytechnic Institute, NY, USA.

1998 February, Grenoble Ecole Supérieur de Commerce.

1997 April, Stockholm School of Economics, Prof. C. Karlsson's operations management unit

1996 April, Department of Management Studies, Wollongong University NSW, Australia.

Organised Events

Discussion panel [Do Patents have a Chilling Effect on Innovation?](#)

I helped invite panelists and organize literature for the event. Co-sponsored by UCL IBIL and the Chartered Institute of Patent Attorneys.

Conference on the Unified European Patent System, 21st October, 2014, Sponsored by Qualcomm US \$4000, ADIPA (Danish Association of Intellectual Property Attorneys, contributing staff time) and Plesner (Denmark's leading litigation partnership). I organised a one day conference with nine invited speakers on the Unified Patent Court and associated European patent issues and their significance for innovation in Denmark, Copenhagen, Radisson Blu Scandinavia hotel.

May 2018

Teaching

Statement on Specialisation: I specialise in teaching courses in the economics and management of technological innovation. I have designed, coordinated and taught basic undergraduate courses in operations management, 'quality management,' 'management of technology and innovation' (undergraduate and master's level) and technology policy (master's level). Sage published my book based on this teaching in 2005.

I have recently developed the original course 'Appropriating Innovation' for business students at masters level in part with collaboration with Professor James Conley at Kellogg School of Management, Northwestern University, which teaches basic principles of intellectual property with a focus on the economic, practical and strategic issues of *development*, especially with respect to patents.

Course Designer, Coordinator and Lecturer

Current courses

AU 2005-2014

- **Appropriating Innovation – Intellectual Property Strategies and Development** 10 ECTS core course, for MSc. Management of Innovation. Analysis of the role of IP and especially patents in development.

AU 2013-

- **Strategies for Innovation in High Growth Industries** 5 ECTS option on the MSc. Strategic Management. Analysis of innovation, new technology development and supportive institutions and policies.

Past teaching

ASB/AU 2003-2012

- **The Research Process and How to Get a PhD** 5 ECTS doctoral course for business students on the practicalities of the doctorate team taught with Peter Kesting and a variety of outside and internal colleagues.

ASB/AU 2005-2011

- **Innovation and Entrepreneurship**, 5 ECTS doctoral core course for University of Aarhus iNano (nanotechnology) research centre. Managing patents and technology development.

ASB/AU 2002-2007

- **Research Methods for Narrative Accounts (with Natalie Mitev, LSE)** doctoral course for business students. Student-centred comparison of methods of grounded theory, Actor-Network Theory and historical/archive methods as basis of doctoral research.

ASB/AU 2000

- **Organisational Theory** at undergraduate level, team taught core course, taught parallel English language class, used standard US textbook with supplemental material.

Brunel University & University of Edinburgh

- **Management of Technology & Operations** undergraduate core course designed and taught to 2nd year of business degree at Brunel University (200+ students) and option offered and run at University of Edinburgh, Department of Business Studies.
- **Operations Management** undergraduate core course designed and taught to first year of business degree run in Brunel University, (200+ students).

May 2018

- **Quality Management** undergraduate option designed and taught to 2nd year of business degree Brunel University.

Doctoral Supervisory and Examination Experience

Principal PhD Supervisor, Lisa Harris, ‘Technological Change and the Productivity Paradox - The Management of New Technologies in UK Retail Banks.’ Awarded 1999

Principal PhD Supervisor, Pauline Gleadle, ‘Financial Controls and Implementation of TQM.’ Awarded 2000

Principal PhD Supervisor, Stuart Peters, ‘Strategic Analysis of the Development of Liquid Crystal Display Technologies.’ Awarded 2001

External Examiner PhD thesis Department of Business Studies, University of Edinburgh, Edinburgh, UK, 2001. Nicholas J Lancaster, ‘The Role of Managerial Vision: A Cognitive and Social Perspective on ICI Paints.’

External Examiner PhD thesis Department of Business Studies, University of Edinburgh, Edinburgh, UK, 2007. Mohammed Nasser Al-Jadeed ‘A Strategic Perspective on the Emergence and Evolution of e-Banking in Saudi Arabia.’

Masters theses and Undergraduate dissertations, *Selection* of recent masters theses to indicate topics supervised, ug theses too numerous to mention.

MSc. Innovation Management, 2015, Berthelsen, Jeppe ‘Do firms undervalue patent licensing opportunities – Should they be more ‘open’ towards the licensing of non-rivals?’

MSc. Strategy, Organisation, Leadership, 2015 Bjerke, Tuva A. ‘How Lean Affects Work Flow in Construction Projects.’

MSc IB, 2014, Zirak, M ‘An assessment of the disruptive potential of online education for the traditional university and its possible implication for internationalization.’

MSc Inno Man, 2014, Andersen, J, ‘The Intellectual Property Right Implications of Consumer 3D Printing’

MSc. Strategy, 2009, Atlason, TO, ‘Battling the Dragon: Addressing the Patent Infringement Problems in China and the Role of Patent Protection on the Economic Growth of China – The Perspective of Danish Business.’

MSc. IB, 2009, Purup, J, ‘High Technology Policy Making – the Case of Public Nanotechnology R&D.’

May 2018

Refereed Conference Presentations, Conference proceedings, Research Symposia

Howells, J and Katznelson, RD (2016) ‘The Coordination of Independently-Owned Vacuum Tube Patents in the Alleged Early Radio Patent Thicket’, WINIR Symposium on Property Rights, University of Bristol, 4-6th April.

Howells J and Katznelson, RD (2014) ‘The Coordination of Independently-Owned Vacuum Tube Patents in the Alleged Early Radio Patent Thicket’ *Research Symposium on the History of Patented Innovation and Creativity*, George Mason University School of Law, Arlington, VA. 18th September.

Howells J and Katznelson, RD (2014) ‘The Coordination of Independently-Owned Vacuum Tube Patents in the Alleged Early Radio Patent Thicket’ *Seventh Annual Searle Center Conference on Innovation Economics*, Northwestern University School of Law 2014, June 19th – 20th.

Howells, J and Katznelson, RD (2014) ‘The Coordination of Independently-Owned Vacuum Tube Patents in the Alleged Early Radio Patent Thicket,’ *DRUID Conference*, Copenhagen Business School, Copenhagen, 16th – 18th June.

Howells, J and Katznelson, RD (2013) ‘The Management of Overlapping Vacuum Tube Pioneer Patents in the Development of Radio’, 20th- 21st June, Tilburg University Law and Economics (TILEC) Workshop on “*Innovation and the Patent System*,” Tilburg University, Netherlands.

Katznelson RD and Howells, J (2012) ‘Inventing around Edison’s Incandescent Lamp Patent: Evidence of patents’ role in stimulating downstream development,’ *Fifth Annual Conference on Innovation and Entrepreneurship - the U.S. Patent and Trademark Office (USPTO)-Ewing Marion Kauffman Foundation Conference on Intellectual Property and Entrepreneurship*, Thursday, June 14, 2012 - Friday, June 15, 2012, Searle Center for Legal and Regulatory Studies, Northwestern University School of Law, Chicago, ILL.

Howells, J and Katznelson, RD (2011) ‘Inventing around Edison’s Incandescent Lamp Patent: Evidence of the Role of Patents in Stimulating Downstream Development’ *Association of Business Historians*, Annual Conference, 1st-2nd July, Henley Business School, University of Reading.

Howells, J & Katznelson, RD (2010) ‘Development Block or Stimulant: What was the Role of Edison’s Incandescent Lamp Patent on Downstream Developments?’ *Association of Business Historians*, 16th-17th July, University of York.

Howells, J & Katznelson, RD (2010) ‘Development Block or Stimulant: What was the Role of Edison’s Incandescent Lamp Patent on Downstream Developments?’ *Managing Knowledge in the Techno-Sciences, 1850-2000*, University of Leeds, 5-8 July.

Howells, J, Mitev, N, and Scholderer, J (2009) ‘Forget Unlearning’, *Danish Leadership Conference*, Syddansk Universitetet. 7-8 December.

Howells, J and Hedemann, L (2009) ‘The Exceptional Export Success of the Danish Furniture Industry Explained as a Growth Path Dependent upon the Early Internationalisation of

May 2018

Entrepreneurial Behaviour' *Society for the Advancement of Socio-Economics (SASE) 'Capitalism in Crisis'*, Sciences Po, Paris, 16th – 18th July.

Howells, J and Hedemann, L (2009) 'A Growth Path Dependent upon the Early Internationalisation of Entrepreneurial Behaviour or 'Clusters' as Explanations for the Exceptional Export Success of the Danish Furniture Industry?' *AIB UK and Ireland Chapter 2009 Conference*, University of Glasgow, Centre for Internationalisation and Enterprise Research, Glasgow, 2nd-4th April.

Howells, J and Hedemann, L (2008) 'Clusters or the Early Internationalisation of Entrepreneurial Behaviour as Explanations for the Exceptional Success of the Danish Furniture Industry?' *Dansk Ledelses Akademi*, Koebenhavn, 8th/9th December 2008.

Howells, J (2008) 'Patents and Downstream Innovation Suppression – Facts or Fiction? - A Critique of the Use of Historical Sources in Support of the Thesis that Broad Patent Scope Enables the Suppression or Hindrance of Downstream Useful-Technology Development,' 5th *International Conference on Innovation and Management* 10/11th December, Maastricht, Netherlands

Howells, J (2007) 'Patents and Downstream Innovation Suppression – Fact or Fiction?' *Los Angeles Intellectual Property Law Association, Spring Seminar 2007, Ritz-Carlton, Laguna Niguel, Dana Point, CA, USA*, June 8th-10th 2007.

Howells, J (2007) 'Revising the Complex Economics of Patent Scope' *SASE 19th Annual Meeting on Socio-Economics*, CBS, International Centre for Business and Politics, Copenhagen, Denmark, June 28th-30th.

Howells, J (2007) 'The Role of Patents in the Decline of Private Bureaucracy – Did Alfred Chandler Underestimate the Role of Patents as a Source of Stable Management Hierarchy?' *Workshop in Post-Bureaucracy and Organizational Change in the Knowledge Society*, 12th-14th September, Wivenhoe House Hotel, Essex University.

Howells, J (2006) 'Simplifying the Complex Economics of Patent Scope – A Critical Revision of the use of Historical Sources to Support Allegations of the Useful Technology Suppression Effects of Broad Patent Scope' *Proceedings of the British Academy of Management*, Waterfront Hall, Belfast 12th-14th September, 2006.

Howells, J (2005) 'Technology Suppression Strategies as Illusion: The Practical Consequences of a Misunderstanding of the Function of Patents, *Academy of Management conference*, August 5th-10th, Honolulu, Hawaii, session 523, 2005.

Howells, J (2005) 'Technology Suppression Strategies as Illusion: The Practical Consequences of a Misunderstanding of the Function of Patents' *Proceedings of the PICMET Conference*, Portland, Oregon, 1st-4th August, 2005.

Howells, J (2003) 'The Institutional Framing of the Market Economy', *19th EGOS Colloquium*, Copenhagen Business School, Copenhagen, July 3rd-5th.

May 2018

Howells, J (2003) 'Strategy Illusion – The Misinterpretation of Case Studies of Technological Change' *ASEAT conference, Manchester School of Management, UMIST, Manchester, April 7th-9th.*

Howells J (2000) 'The Sailing Ship Effect – When Does it Occur?' Proceedings of the *9th International Conference on the Management of Technology*, Miami, FL, USA. 21st-25th February, 2000, pp175 – 191.

Howells J (1999) 'The Response of Old Technology Incumbents to Technological Competition – does the Sailing Ship Effect Exist?' *Bringing Materiality Back into Management CISTEMA conference*, Gilleleje, Denmark, 21st – 22nd September.

Howells J (1999) 'Rethinking the Market – Technology Relationship for Innovation' *Fifth International ASEAT conference, UMIST, 14th - 16th September.*

Howells J (1997) 'What is Technological Competition?' *4th International Conference on Multi Organisational Partnerships and Cooperative Strategy*, Balliol College, Oxford, 8-10th July.

Howells J and Fleck J (1997) 'Technology, the Technology Complex and the Tacit Dimension Applied to Debates in Technology Management' *5th International Association for the Management of Technology conference*, 25th-28th June, Gothenburg, Sweden.

Howells J and Fleck J (1997) 'The Technology Complex and the Paradox of Technological Determinism' *British Academy of Management Annual Conference*, Queen Elisabeth II Conference Centre, London, 8-10 September.

Howells J and Fleck J (1997) 'The Technology Complex and the Paradox of Technological Determinism' *Competing Through Knowledge Conference*, 6-7th May, Burwalls, Bristol.

Howells J (1996) 'Six Arguments for a Critical Technology Management' talk presented to workshop on a *Critical Approach to Technology Management*, Department of Business and Management, Aston University, 10th January.

Howells J (1994) 'STS and Management Studies - A Strategy for advancing STS through Management' paper given to *European Association for the Study of Science and Technology*, Budapest, August 28th-31st.

Howells J (1992) 'The Management of Expertise' paper delivered to conference, *Exploring Expertise*, Edinburgh University, November 1992.

Howells J (1992) 'Problems in EFTPOS - The Management of Sociotechnical Constituencies and Expertise', paper delivered to *PICT National Conference*, 23rd-25th March, Newport.

Howells J and Hine J (1990) 'Competition, Cooperation and the Design of a Funds Transfer Network Technology', paper delivered to *International Conference on Firm Strategy and Technological Change*. Manchester University, September, Manchester.

May 2018

Howells J (1990) 'Single Cell Protein in the 1970s' paper delivered to *5th European Biotechnology Conference*, July, Technical University of Copenhagen, Copenhagen.

May 2018

Research Related Journalism, Book Reviews, Blog articles

Oxford University Press Invited Contribution

Howells, John and Ron D Katznelson (2014) 'How the US government invented and exploited the "patent troll" hold-up myth - From the Wright Brothers' patent to patent law "reform" efforts today' <http://blog.oup.com/2014/12/aviation-patent-myth/>

On IP Watchdog patent law blog:

1 Howells, J and Katznelson, RD (2016) [The Patent Troll Fables of the Automotive Industry](#) published 30th June on IP Watchdog.

2 Howells, J and Katznelson, RD (2011) '[A Critique of Lemley's "Myth of the Sole Inventor"](#)' published 15th September on IP Watchdog.

(Associated preprint article: Howells, J and Katznelson RD (2011) "A Critique of Mark Lemley's "Myth of the Sole Inventor"" download full paper from: <http://bitly.com/Lemley-Critique>)

3 Howells J and Katznelson RD (2011) 'Rebuttal Finale: A Response to Lemley's "Myth of the Sole Inventor"' published 18th October, 2011 on IP Watchdog:

<http://www.ipwatchdog.com/2011/10/18/rebuttal-finale-a-response-to-lemleys-myth-of-the-sole-inventor/id=19888/>

Howells, J. (2007) The History of Education Institutions in Developed Countries has Lessons for the Reform of the System of Higher Education in Africa. *Afr. Technol. Dev. Forum J.* 4(2): 48-52.

Book reviews For Prometheus journal

1 Leydesdorff L and Besselaar, Peter van den, eds. (1994) Evolutionary Economics and Chaos Theory - New Directions in Technology Studies. London: Pinter Publishers.

2 Eckersley R and Jeans K eds. (1994) Challenge to Change - Australia in 2020, Sydney, Australia: CSIRO.

3 Smith MR and Marx L eds (1994) Does Technology Drive History? - The Dilemma of Technological Determinism London: MIT Press.

Book review for Technology Analysis and Strategic Management

1 Rosenberg N (1994) Exploring the Black Box Cambridge: Cambridge University Press.

2 Wiener N (1993) Invention MIT Press: Cambridge Massachusetts.

3 Burke G and Peppard J eds. (1995) Examining Business Process Reengineering - Current Perspectives and Research Directions London: Kogan Page.

Book review for Research Policy

1 Caldwell B ed (1995) Contra Keynes and Cambridge - Volume 2 of the Collected Works of FA Hayek., London: Routledge

2 Callon S (1995) Divided Sun - MITI and the Breakdown of Japanese High Tec Industrial Policy Stanford: Stanford University Press.

Book reviews for The Times Higher professional newspaper

Howells J (2000) 'Rickards, T, (2000) Managing Creativity and Change', Times Higher

May 2018

Howells J (1999), 'Clinton's Holed Flagship' Times Higher, 26th March p34. A review of Branscomb LM and Keller JH Eds., (1998) Investing in Innovation - Creating a Research and Innovation Policy that Works, London: MIT Press, and Wind JY and Main J (1998) Driving Change - How the Best Companies are Preparing for the 21st Century, London, Kogan Page.

Harris M and Howells J (1996) 'Controls on the Traffic of Ideas' Times Higher, June 7th, p14.

May 2018

University Service

- Brunel University
- Library representative ex. audit of journals, polling of staff wishes
- Exams convenor
- IT and equipment, ex. auditing and ordering of equipment.
- Timetable Manager ex. of teaching and invigilation, automation of process
- UG admissions officer, for three years
- Conducted interim Research Assessment Exercise audit of the department
- Ran visiting speaker programme for 2 years.

University of Aarhus, Aarhus Business School

- Invited and hosted senior lecturer in information systems, N Mitev of LSE to Department of Organisation and Innovation for 6 months, 2001
- Organised and chaired small workshop on innovation failure, autumn 2000, 14 attendees, financial support from ASB, circa 25 000Kr.
- Coordinate various masters and doctoral level courses.
- Chair of Public Defence of Doctoral Theses, Karina Skovvang Christensen, Steffen Korsgaard.

Languages

English fluent, native speaker

French, Institute of Linguistics, Intermediate Level Certificate (conversational)

Danish, module 5 certificate (enables application for citizenship) in the national, 6 module series of exams (conversational)

May 2018

Referees

Comments: Ron is a co-author on recent major works; Paul, Dan and Adam are aware of the intellectual significance of the current round of draft and published papers on patents and development; Joachim is a colleague at Aarhus University and co-author. Dan is prepared to be referee only if I reach a short-list/or am invited for interview.

Ron D. Katznelson

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Paul Nightingale

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Joachim Scholderer

Professor, Dr.rer.pol.
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Dan Spulber

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David Edgerton,

Hans Rausing Professor of the History of
Science and Technology
Professor of Modern British History
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