

CURRICULUM VITAE

Name: Anders Sørensen

Fields:

Firm Performance, Economics of Innovation and Entrepreneurship, Human Capital, Empirical Economics

Current Position

Professor of Empirical Economics, The Rockwool Foundation, (Since November 2024)

Professor of Empirical Economics, Copenhagen Business School, Department of Economics (Since October 2010)

Previous Positions

Professor of Empirical Economics without tenure, Associate Professor of Economics, Copenhagen Business School, Department of Economics (September 2004 -October 2010)

Assistant Professor of Economics, Johns Hopkins University, School of Advanced International Studies (SAIS), Washington DC, USA (September 2002 -July 2004)

Director (January 2017–October 2024), Centre for Innovation (CFI), Denmark

Director (October 2010–September 2014), Core Member (October 1999–September 2010), Research Fellow, Centre for Economic and Business Research (CEBR), Denmark

Special Advisor, Ministry of Trade and Industry, Denmark (September 1998 - September 1999)

Economist, COWI, Consulting Engineers and Planners, Denmark (January 1997 - August 1998)

Education:

Ph.D., Copenhagen Business School, Denmark

Title of Dissertation: *Growth, R&D, and Education* (May 1997)

Visiting Graduate Student, Department of Economics, University of California at Berkeley (September 1994-June 95)

Master of Science (Economics), University of Aarhus, Denmark. (October 1993)

Research Visits

Department of Economics, University of Iceland, Iceland (November-December 1996), University of Colorado-Boulder (Two weeks, 2001), University of Tasmania (Two weeks, April 2014; One week, September 2014; One week, January 2015, One week, November 2015; One week, November 2019; Two weeks, November 2023); Economist Visitors Programme, European Commission, DG Enterprise and Industry, June 6-10, 2011

Awards

FUHU Communication Prize, 2008.

Statoil Research Prize in Economics, 2005.

Grundfos Prize, Poul Due Jensen's Foundation, 2003.

Publications

Articles in peer-reviewed journals:

1. “Overcoming obstacles to innovation: Can an educated workforce help?”, with Benoit Dostie and Lene Kromann, *Journal of Innovation and Knowledge*, **2025**, 1-19
<https://doi.org/10.1016/j.jik.2025.100707>
2. “Influence of educational composition on firms' innovation and performance”, with Lene Kromann, *Economics of Innovation and New Technology*, **2024**, 1-27;
<https://doi.org/10.1080/10438599.2024.2392133>
3. “Innovation strategies and firm performance”, with Peter Bogetoft, Lene Kromann, and Aleksandrs Smilgins, *Journal of Productivity Analysis*, **2024**, <https://doi.org/10.1007/s11123-024-00727-1>
4. “Coming of Age: Watching Young Entrepreneurs Become Successful”, *Labour Economics*, with Kathryn L. Shaw, **2022**, Volume 77, August, DOI: <https://doi.org/10.1016/j.labeco.2021.102033>
5. “Automation and Productivity – A Cross-country, Cross-industry Comparison”, with Lene Kromann, Nikolaj Malchow-Møller and Jan Rose Skaksen, *Industrial and Corporate Change*, (Editor's choice), **2020**, Vol. 29, No. 2, 265–287, <https://doi.org/10.1093/icc/dtz039>
6. “Automation, Performance and International Competition: Firm-level Comparisons of Process Innovation”, with Lene Kromann, *Economic Policy*, **2019**, 34, issue 100, October 2019, 691–722 - DOI: <http://dx.doi.org/10.1093/epolic/eiaa002>
Media coverage:
<https://voxeu.org/article/adoption-automation-technologies>
http://www.economic-policy.org/wp-content/uploads/2019/04/EPD_2019-04.pdf
7. “The Productivity Advantage of Serial Entrepreneurs”, with Kathryn L. Shaw, *Industrial and Labor Relations Review/ILR Review*, **2019**, 72(5), October, 1225-1261, DOI: 10.1177/0019793919865501.
Online appendix:
<http://journals.sagepub.com/doi/suppl/10.1177/0019793919865501>
8. “The Economic Burden of Adult Attention Deficit Hyperactivity Disorder: A sibling Comparison Cost Analysis”, with David Daley, Rasmus H Jacobsen, Anne-Mette Lange, and Jeanette Walldorf, *European Psychiatry*, **2019**, 61, 41–48, DOI: 10.1016/j.eurpsy.2019.06.011
9. “The Impact of China's Trade Liberalisation on the Greenhouse Gas Emissions of WTO Countries”, with Clinton J. Levitt and Morten Saaby, *China Economic Review*, **2019**, 54, 113–134, DOI: 10.1016/j.chieco.2018.10.012
10. “Domestic R&D and Offshoring: Does Offshoring Reduce Knowledge Production?”, with Martin Junge, *Applied Economics Letters*, **2018**, 25:18, 1283-1287, DOI: 10.1080/13504851.2017.1418068
11. “Australia's Consumption-Based Greenhouse Gas Emissions”, with Clinton J. Levitt and Morten Saaby, *The Australian Journal of Agricultural and Resource Economics*, **2017**, 61, 1-21, DOI: 10.1111/1467-8489.12198
12. “Product-Marketing Innovation, Skills and Firm Productivity Growth”, with Martin Junge and Battista Severgnini, *Review of Income and Wealth*, **2016**, 62(4), 724-757, DOI: 10.1111/roiw.12192
13. “Success in Entrepreneurship: a complementarity between schooling and wage-work experience”, with Jens Iversen and Nikolaj Malchow-Møller, *Small Business Economics*, **2016**, Volume 47, Issue 2, 437–460, DOI:10.1007/s11187-016-9732-y
14. “Job Creation and Job Types - New Evidence from Danish Entrepreneurs”, with Johan M. Kuhn and Nikolaj Malchow-Møller, *European Economic Review*, **2016**, 86, 161–187, DOI: 10.1016/j.euroecorev.2015.12.002
15. “Examining the efforts of a small, open economy to reduce carbon emissions: The case of Denmark”, with Clinton J. Levitt and Morten S. Pedersen, *Ecological Economics*, **2015**, Vol. 119, November, 94-106, DOI: 10.1016/j.ecolecon.2015.08.002
16. “The Fiscal Trilemma in a Danish Perspective”, with Rasmus Højbjerg Jacobsen and Søren Bo Nielsen, *Public Finance Review*, **2013**, Volume 41 (6), November, 791 - 823.
17. “The Widening Productivity Gap between the EU and US: An Introduction into the Conference on Productivity and Competitiveness”, with Jakob Madsen, *Nordic Economic Policy Review*, **2011**, Nr 2, 7-25

18. “The Returns to Education in Entrepreneurship: Heterogeneity and Non-Linearities”, with Jens Iversen and Nikolaj Malchow-Møller, *Entrepreneurship Research Journal*, **2011**, Vol. 1: Iss. 3, Article 5. (<http://www.bepress.com/erj/vol1/iss3/5>)
19. “ICT and Productivity Growth in the 1990's: Panel Data Evidence on Europe”, with Hans Christian Kongsted and Christian Dahl, *Empirical Economics*, **2011**, 40(1), 141-164
20. “Entrepreneurship, Job Creation, and Wage Growth”, with Nikolaj Malchow-Møller and Bertel Schjerning, *Small Business Economics*, **2011**, 36(1), 15-32
21. “Returns to Schooling in Self-Employment”, with Jens Iversen and Nikolaj Malchow-Møller, *Economics Letters*, 109, 179-182, **2010**
22. “Optimal Policy under Restricted Government Spending”, *Problems and Perspectives in Management*, issue 2 (8), **2010**, 35-52
23. “Skill-Upgrading and Internationalization: Country-of-Origin or End-Use of Products”, *Economics Letters*, Vol. 101 (1), 9-12, **2008**
24. “Productivity Measurement in Manufacturing and the Expenditure Approach”, with Bertel Schjerning, *Review of International Economics*, Vol. 16, Issue 2, 327-340, **2008**
25. “Inter-industry Wage Differentials and Allocative Inefficiency”, *International Economic Journal*, Vol. 21, No. 1, 1–26, March **2007**
26. “R&D Subsidies and the Surplus Appropriability Problem”, *The B.E. Journals in Macroeconomics, Topics in Macroeconomics*, Vol. 6; Issue 2, Article 3, **2006**
<http://www.bepress.com/bejm/topics/vol6/iss2/art3>
27. “Capital-Skill Complementarity and Rigid Relative Wages: Inference from the Business Cycle”, with Jan Rose Skaksen, *The B.E. Journals in Macroeconomics, Contributions to Macroeconomics*, Vol. 5: No. 1, Article 7, **2005**.
<http://www.bepress.com/bejm/contributions/vol5/iss1/art7>
28. “On the Measurement of Relative Demand Shifts for Educated Labor”, with Svend E. Hougaard Jensen, *Economics Letters*, 83(2), 245-249, **2004**
29. “R&D, Public Innovation Policy, and Productivity: The Case of Danish Manufacturing”, with Hans Christian Kongsted and Mats Marcusson, *Economics of Innovation and New Technology*, 12(2), 163-178, **2003**
30. “Measuring Educational Heterogeneity and Labor Quality: A Note”, with Mogens Fosgerau and Svend E. Hougaard Jensen, *Review of Income and Wealth*, 48(2), 251-259, **2002**
31. “Education, Employment and Economic Growth”, *Nationaløkonomisk Tidsskrift*, 140, 1-17, **2002**, with Svend E. Hougaard Jensen
32. “Comparing Apples to Oranges: Productivity Convergence and Measurement Across Industries and Countries: Comment”, *American Economic Review*, September, 1160-67, **2001**
33. “R&D, Learning, and Phases of Economic Growth”, *Journal of Economic Growth* 4(4), 429-45, **1999**
34. “Policy Rules for Exploitation of Renewable Resources: A Macroeconomic Perspective”, *Environmental and Resource Economics* 12(1), 53-76, **1998**, with Tryggvi T. Herbertsson

Articles in proceedings:

35. “Relative Demand Shifts for Labour with Different Type and Length of Education: Evidence from Denmark and the USA”, with Svend E. Hougaard Jensen, *Symposium i Anvendt Statistik*, 233-260, **2005**
36. “A Model for Freight Transport Crossing Storebælt”. *Trafikdage på Aalborg Universitet, Suppleringsrapport*, 297-306, **1997**

Articles in Danish:

37. “Denmark and the Information Society: Challenges for Research and Education Policy”, *Samfundsøkonomen*, **2003**, with Svend Erik Hougaard Jensen, Ulrich Kaiser, Nikolaj Malchow-Møller, and Jan Rose Skaksen
38. “New Economy – IT and Economic Growth”, *Samfundsøkonomen*, 10-16, **2001**:4, with Svend E. Hougaard Jensen

Books:

Monographs

39. “Costing Adult Attention Deficit Hyperactivity Disorder: Impact on the Individual and Society”, with David Daley, Anne-Mette Lange, Rasmus Højbjerg Jacobsen, Jeanette Walldorf, *Oxford University Press*, **2015**, 1-249, ISBN 978-0-19-874555-6
40. “Productivity and Competitiveness”, Nr 2, **2011**, *Nordic Economic Policy Review*, Guest Editor with Jakob Madsen
41. “Denmark and the Information Society: Challenges for Research and Education Policy”, with Svend Erik Hougaard Jensen, Ulrich Kaiser, Nikolaj Malchow-Møller, and Jan Rose Skaksen *DJØF forlag*, **2003**. Awarded the Grundfos Prize 2003
42. “Growth, R&D, and Education”, (Ph.D. dissertation), Copenhagen Business School, **1997**

Chapters

43. “The Success of Serial Entrepreneurs”, with Kathryn L. Shaw. In: Cumming, D., Hammer, B. (eds) *The Palgrave Encyclopedia of Private Equity*. Palgrave Macmillan, Cham. **2024**
https://doi.org/10.1007/978-3-030-38738-9_128-1
44. “IT-intensive Machinery and Equipment, Organizational Change and Productivity Growth”, with Henrik Fosse and Jóannes Jacobsen, in Hermann Oskarsson, Hans Ellefsen and Marjun Dalsgaard (ed) in *“For the Common Good – In Memory of Jóannes Jacobsen”*, University of Faroe Islands, 163-187, **2023**
45. “A changing labor market? Importance of waged workers with self-employment activities” (in Danish) with Morten Saaby, in J. Skaksen (Ed), *“The benefits of education to society”* Rockwool Fondens Forskningsenhed, Syddansk Universitetsforlag, 133-152, **2019**
46. “Curriculum choice, wages and future leadership” (in Danish) with Lene Kromann and Jeanette Walldorf, in J. Skaksen (Ed), *“Afstak af uddannelse: Det samfundsmæssige og individuelle rationale”* Rockwool Fondens Forskningsenhed, Syddansk Universitetsforlag, 63-88, **2018**
47. “Information Technology and Productivity Growth in the Danish Economy”, in Jensen, S.H., and P Møllgaard (Ed), *“Design og styring af institutioner – økonomiske essays til ære for Niels Blomgren-Hansen”*, Handelshøjskolens Forlag, 139-58, **2009**
48. “Changing Characteristics of Growth-Generating Processes: R&D and Learning”, in *“Economic Growth Issues”*, L.A. Finley (Ed.) Nova Science: Hauppauge, New York, **2005**
49. “Productivity and R&D: The Case of Danish Manufacturing”, Jensen, S.H. (Ed.), Økonomi og Erhvervspolitik, *Handelshøjskolens Forlag*, 257-74, with Svend E. Hougaard Jensen and Torsten Sløk, **2000**
50. “Is There a Productivity Problem in the Danish Economy?”, Jensen, S.H. (Ed.), Økonomi og Erhvervspolitik, *Handelshøjskolens Forlag*, 147-70, with Svend E. Hougaard Jensen and Thomas V. Pedersen, **2000**
51. “Productivity Growth in Denmark - 1966 to 1998”, Jensen, S.H. (Ed.), Økonomi og Erhvervspolitik, *Handelshøjskolens Forlag*, s. 115-46, with Mogens Fosgerau, **2000**
52. “Growth-Enhancing Policies in a Small Open Economy”, J. Fagerberg, P. Hansson, L. Lundberg, and A. Melchior (ed.), *Technology and International Trade*, Edward Elgar, 158-76, **1997**

Working Papers:

53. “Entrepreneurs Who Thrive”, with Kathryn Shaw (*Revise and resubmit*)
54. “University Education, Leadership and Gender” with Moira Daly (*Submitted*)
55. “Organization of Production and Firm Performance in Small Firms”, with Lene Kromann (*Submitted*)
56. “How Much Do Financial Constraints Limit Firms: Evidence from the 2007–2008 Financial Crisis”
57. “Who is a Successful Entrepreneur, and why?”, with Marek Giebel
58. “From Costs to Corporations: Can Lower Startup Costs Enhance Corporate Quantity and Quality?”, with Marek Giebel
59. “The Impact of Scientific Consulting on Small and Medium Sized Enterprises - Evidence from a Randomized Experiment”, with Thomas A. Christensen, Johan M. Kuhn and Cedric Schneider
60. “Curriculum Choice, Educational Performance, and Wages within STEM”, The Rockwool Foundation, Study Paper 124, with Lene Kromann and Jeanette Walldorf, **2018**

61. “Automation, Labor Productivity and Employment – a Cross-Country Comparison”, with Lene Kromann and Jan Rose Skaksen, CEBR, Copenhagen Business School, **2011**
62. “Do Human Arts Really Offer a Lower Return to Education?”, with Carl-Johan Dalgaard and Esben A. Schultz, **2009**

Research Management:

External Financing, Research manager >0.5 DKK million:

- Rockwool Foundation, DKK 6.5 million (Project: “Understanding Entrepreneurship Dynamics”), 2020-2024
- Rockwool Foundation, DKK 0.6 million (Project: “A changing labor market? Importance of wagedworkers with self-employment activities”), 2018-2019
- The Novo Nordisk Foundation: DKK 10 million (Project: “The Socioeconomic Importance of Research-based Education”), grant no. NNF16OC0021056, 2017-2020
- The Danish Industry Foundation: DKK 20 million (Project: “Growth through Innovation”), 2017-2020
- Rockwool Foundation, DKK 0.6 million (Project: “Curriculum, Educational Performance and Wages”), 2015-2017
- Rockwool Foundation, DKK 3.0 million (Project: “CO2-footprint for Denmark”), 2012-2014
- Rockwool Foundation, DKK 1.2 million (“Private and Social costs of ADHD”), 2011-2014
- Rockwool Foundation, DKK 1.2 million (“Effects on employment of entrepreneurship”), 2012-2015
- The Danish Industry Foundation: DKK 12 million (Project: “Advanced Technology, Management and Organization”), 2010-2015
- Tuborgfondet: DKK 5.7 million (Project: "The Future Demand for Educated Labour in Denmark"), 2005-2009
- European Commission within the Sixth Framework Programme with Contract No. 502049 (SCS8) European Union: (Project: “EUKLEMS-2003. Productivity in the European Union: A Comparative Industry Approach”). Research manager of Danish part of the project, 2003-2007

Teaching

- Big Data Analytics for Economic and Financial Decision-Making, Masters in Applied Economics and Finance, CBS
- Several courses in International Economics, International Trade, International Business, Macro Economics, Micro Economics, Industrial Organization, Applied Econometrics taught at CBS, University of Copenhagen, Johns Hopkins University – School of Advanced International Studies.

Professional Activities

Refereeing:

American Economic Review, American Journal of Agriculture Economics, The B.E. Journal of Macroeconomics, Canadian Public Policy/Analyse de Politiques, Danish Economic Journal (Nationaløkonomisk tidsskrift), Ecological Economics, Economic Inquiry, Economic Journal, Economics of Education Review, Economics of Innovation and New Technology, European Economic Review, Environment and Development Economics, FinanzArchiv, International Review of Economics and Finance, International Tax and Public Finance, Journal of Business Venturing, Journal of Economic Growth, Journal of Economic Surveys, Journal of International Economics, Journal of Political Economy, Journal of Productivity Analysis, Labour Economics, Oxford Economic Papers, Review of Economic Dynamics, Review of Economics and Statistics, Review of Income and Wealth, Review of World Economics, Scandinavian Economic History Review, Scandinavian Journal of Economics

Board and Committee work:

- Member, The Danish Productivity Commission, April 2012-March 2014
- Member of Contact Committee for statistics on the digital society, Statistics Denmark, May 2016 - 2021
- Board member, Centre for Survey and Survey/Register Data (CSSR), April 2012- December 2014
- Board member, Economic Policy Research Network (EPRN), October 2010-September 2014

Ph.D. Supervision

- Jeanette Walldorf 2017 to 2023, Department of Economics, Copenhagen Business School
[Present employment: The Danish Ministry of Children and Education]
- Marie Kruse Skibsted 2012 to 2016, Department of Economics, Copenhagen Business School
[Present employment: The Danish Ministry of Taxation]
- Henrik Fosse, 2009 to 2012, Department of Economics, Copenhagen Business School
[Present employment: The Novo Foundation]
- Esben Anton Schultz, 2006 to 2011, Department of Economics, Copenhagen Business School
[Present employment: HBS Economics]
- Christian Scheuer, 2005 to 2009, Department of Economics, Copenhagen Business School
[Present employment: Edlund]

Organizer of conferences/workshops:

- Organizer of Workshop on “University Education and Innovation” funded by Novo Nordisk Foundation (grant no. NNF16OC0021056), Copenhagen Business School, Denmark, June 20, 2018.
- Organizer of “Human Capital, Organizational Design, and Performance”, HOPE opening event, Copenhagen, Denmark, October 22, 2014
- Organizer of NEPR conference on “Productivity and Competitiveness”, Nordic Council of Ministers, Helsinki, Finland, April 29, 2011
- Organizer of CBS/CEBR Conference on “Success in Entrepreneurship”, Copenhagen Business School, Denmark, February 11, 2010
- Organizer of CBS/CEBR Conference on “Future Demand for Educated Labor”, Copenhagen Business School, Denmark, December 4, 2008
- Organizer of CEBR Workshop on “Growth, ICT, and Human Capital”, Copenhagen Business School, Denmark, May 30, 2007
- Organizer of CEBR Workshop on “Entrepreneurship”, Copenhagen Business School, Denmark, October 10, 2004
- Organizer of CEBR Workshop on “Trade, Growth and Multinationals”, Copenhagen Business School, Denmark, May 21, 2001

Dissemination

Research Reports

1. “Measuring Denmark's CO2 Emissions - 1996-2009”, with Gagan P. Ghosh, Clinton J. Levitt and Morten S. Pedersen, 78 pages. The Rockwool Foundation, 2014, ISBN: 978-87-996384-3-7
2. “The Cost of Producing Electricity in Denmark” with Clinton J. Levitt, 112 pages, The Rockwool Foundation, 2014, ISBN: 978-87-996384-1-3
3. “The Cost of Producing Electricity in Denmark: A Technical Companion”, with Clinton J. Levitt, 68 pages, The Rockwool Foundation, 2014, ISBN: 978-87-996384-2-0

Agency Reports/Selected Consultancy Work/Op-eds/Radio

4. “Entrepreneurship-pilot Program Evaluation: Feasibility Report” 2016 *report prepared for the Innovation Foundation Denmark* (with Moira Daly)
5. “Innovation, ICT and Productivity Growth”, 2013 *CEBR-report prepared for the Danish Business Authority* (with Henrik Fosse and Joannes Jacobsen)
6. “The Effect of Education on Productivity”, 2012, *CEBR-report prepared for the Danish Ministry of Science, Innovation and Higher Education* (with Jan Rose Skaksen)
7. “Digitalization and Productivity”, 2011, *CEBR-report prepared for the Danish National IT and Telecom Agency* (with Jóannes Jacobsen and Martin Junge)
8. “On the relationship between research, innovation and outsourcing – Estimation Results”, 2011, *CEBR-report prepared for the Danish Council for Strategic Research and the Danish Council for Technology and Innovation* (with Martin Junge)
9. “On the relationship between research, innovation and outsourcing – Descriptive Statistics”, 2010, *CEBR-report prepared for the Danish Council for Strategic Research and the Danish Council for Technology and Innovation* (with Martin Junge)
10. “Innovation and Productivity”, 2010, *CEBR-report prepared for the Danish Ministry of Economics and Business Affairs* (with Martin Junge)
11. “Development in the Skill Structure and in the Demand for Skills”, 2009, *intellectual services relative to 2009 Economic Survey of Denmark, Organisation for Economic Co-operation and Development (OECD), Paris*
12. “Entrepreneurship, Human Capital and the Labour Market”, 2007, *report prepared for the National Agency for Enterprise and Construction, Danish Ministry of Economics and Business Affairs* (with Nikolaj Malchow-Møller)
13. “Videninvesteringer, produktivitet og velstand”, 2006, *report prepared for Dansk Industri* (with Svend Erik Hougaard Jensen and Nikolaj Malchow-Møller).
14. “IKT, vækst og produktivitet: Et litteraturstudie”, 2005, *report prepared for Ministeriet for videnskab, teknologi og udvikling* (with Svend Erik Hougaard Jensen)
15. “Designing Aid Programmes for Transition Economies – Executive Summary and Report”, 2001, *report prepared for the Ministry of Trade and Industry* (with Morten Lau)
16. “Urban water and wastewater resources strategy for Sichuan Province - China”, 1997-98, *World Bank*
17. “Tariff Structure for Using State Owned Infrastructure, Lithuania ”, 1997, *European Union*
18. “A Model for Freight Transport Crossing Storebælt”, 1997, *A/S Storebælt*
19. “Future Structure for State Owned Ports”, 1997, *Danish Ministry of Transport*
20. “How strong is Danish innovation ability?” [”Hvor stærk er dansk innovationsevne?”], *Berlingske Nyhedsmagasin*, (March 30, 2011)
21. “Challenges for Research Policy”, feature article (*Kronik*), *Jyllandsposten*, May 20, 2003, with Svend Erik Hougaard Jensen, Ulrich Kaiser, Nikolaj Malchow-Møller, and Jan Rose Skaksen
22. “Produktivitet handler om velstand og velfærd” feature article (*Kronik*), *Politiken*, April 8, 2014, with Carl-Johan Dalgaard, Agnete Gersing, Hans Nikolaisen, Agnete Raaschou-Nielsen, Philipp Schröder, Jan Rose Skaksen, Birgitte Sloth og Peter Birch Sørensen.