

# Curriculum Vitae

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## Education and academic work experience

- Jun 2017 – May 2020: **Assistant Professor**, part of “Centre for Innovation”, Department of Economics, Copenhagen Business School.
- Feb 2016 – May 2017: **Research Assistant**, Department of Economics and Department of Operations Management, Copenhagen Business School.
- Aug 2014 – Jan 2015: **Visiting Research Scholar**, Industrial Engineering and Operations Research (IEOR), Columbia University, New York (work with prof. Jay Sethuraman).
- Feb 2013 – Jan 2016: **Teaching assistant** and later **External Lecturer**, Copenhagen Business School.
- Oct 2012 – Apr 2016: **PhD** fellow in the project CFEM (“Center for Research in the Foundations of Electronic Markets”, [www.cfem.dk](http://www.cfem.dk)), Faculty of Science, University of Copenhagen. Thesis title: “Topics in Allocation Problems and Market Design”.
- Aug 2009 – Oct 2012: **Cand. Merc. Mat (MSc in Economics and Mathematics)**, Copenhagen Business School, **GPA: 11.4** (out of 12).  
Master thesis (at The Central Bank of Denmark): “Allocation of Risk Capital”.  
Grade: 12 (out of 12).
- Aug 2011 – Dec 2011: **Exchange student**, Brandeis University, Boston, USA.
- Aug 2006 - Jun 2009: **HA. Mat (BSc in Economics and Mathematics)**, Copenhagen Business School, **GPA: 10.2** (out of 12).  
Bachelor thesis: “Matching medical students with hospitals”. **Grade: 12** (out of 12).

## Non-academic work experience

Nov 2008 – Feb 2012: **Government Debt, The Central Bank of Denmark, Copenhagen.**

- Maintenance and development of "Portfolio Management System" (SAS)
- Analysis of Government Bond trading
- Primary Dealers' quote evaluation
- Daily estimation of the Government yield curve
- Helping with the annual publication "Government Borrowing and Debt"

Dec 2007 – Oct 2008: **Consultancy Cutting Edge, Technological Institute, Høje Taastrup, Denmark**

- Validation of received data
- Finding cost reduction strategies by analyzing benchmark companies
- Compiling reports and presentations
- Database maintenance and development

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## Current teaching

Contract, Agency and Game Theory (in English), Cand. Oecon, Copenhagen Business School.

Game Theory (in Danish), Ha(Mat.), Copenhagen Business School.

Decision theory - models and methods (in Danish), Ha(Mat.) elective, Copenhagen Business School.

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## Additional information

Language skills: English, Danish, Russian, Latvian.

IT: Matlab, Excel and Word VBA, Rstudio, Stata, SAS, SQL, Mathematica.

## List of publications and work in progress

### List of publications

- J. L. Hougaard, A. Smilgins (2016), "Risk Capital Allocation with Autonomous Subunits: The Lorenz Set.", *Insurance: Mathematics and Economics*, Vol. 67, Pages 151-157.
- P. Bogetoft, J. L. Hougaard, A. Smilgins (2016), "Applied Cost Allocation: The DEA-Aumann-Shapley Approach.", *European Journal of Operational Research*, Vol. 254-2, Pages 667–678.
- J. L. Hougaard, D. Kronborg, A. Smilgins (2017), "Fair Division of Costs in Green Energy Markets.", *Energy: An International Journal*, Vol. 139, p. 220-230

### Submitted to journals

- J. L. Hougaard, F. Jensen, A. Smilgins "The North Atlantic Mackerel War: A Game Theoretic Approach." Submitted to *Strategic Behavior and the Environment*. Awaiting reply.