

# CURRICULUM VITAE

## PERSONAL DATA

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### Clemens Fiedler

Tilburg University  
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Born: 1988, March 31 in Linz, Austria  
Nationality: Austrian

## WORK EXPERIENCE

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Ph.D. Researcher in Economics, **Tilburg University**  
Supervisors: JAN BOONE, FLORIAN SCHTT

September 2015 -  
Current

- Focus on competition and innovation in high-tech and software markets.
- What drives firms to invest into high-quality and innovation?
- Method used are theoretical models and computational simulations.

## EDUCATION

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M.Sc. (Research Master) in Economics, **Tilburg University**  
Cum Laude, Major: Microeconomic Theory, Minor: Econometrics  
Thesis: Asymmetric Agents and their Willingness to Fight  
Supervisor: JAN BOONE

August 2013 -  
September 2015

- I analyzed a market with firms competing in R&D and prices.
- When does R&D behave as strategic complements or substitutes?
- Initial levels of asymmetry can be increased by the firms behaviour.

M.Sc. in Economics **Vienna University of Business and Economics**  
Passed with Distinction, Major: Mathematics, Thesis:  
The Tullock-Lottery as a Sub Contest for a Discrete Tug-of-War-Competition.

August 2011 -  
July 2013

B.Sc. in Business, Economics and Social Sciences  
**Vienna University of Business and Economics**

September 2006 -  
March 2011

## TEACHING EXPERIENCE

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### Tilburg University

Programming for Economists (B.Sc.), TA	2017 - 2018
Competition and Regulation for Economists (B.Sc.), TA	2016 - 2018
Supervision of Bachelor Theses	2016 - 2018
Introduction to LaTeX (Graduate School), Lecturer & Organizer	2014 - 2017

### Vienna University of Business and Economics

Game Theory (M.Sc.), TA	2012, 2013
Managerial Economics (M.Sc.), TA	2013
Adv. Microeconomics (B.Sc.), TA	2013

## EXTRACURRICULAR ACTIVITIES

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### Board Member

Tilburg PhD Platform (TiPP), Tilburg University

September 2017 -

Present

- Representation of Ph.D. students of the TiSEM with the university.
- Information sharing between schools with management.
- Improving situation of the Ph.D. students and graduate programmes.

### Organizer

Programming Group, Tilburg University

September 2017 -

Present

- Founding the TiSEM programming group.
- Setting up the infrastructure, communication and strategic plan.
- Attracting lecturers and coordinating seminar schedule.

### Council Member

Faculty Council (TiSEM), Tilburg University

March 2017 -

Present

- Participation in decision making process of TiSEM.
- Advising management team and consenting to policies.
- Approving programme changes and budgets.

### Chairman

Graduate Students' Society, Tilburg University

June 2016 -

Present

- Coordinating of the activities of the GSS.
- Meetings and coordination with management of the Graduate School.
- Decision making on activities and strategies for the GSS.

### IT Coordinator

Graduate Students' Society, Tilburg University

August 2014 -

September 2016

- Maintaining website, facebook, mailing list and newsletter.
- Organizing specialist courses and providing IT knowledge.

## SKILLS

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Languages: English (fluent), German (native), Dutch (basic)  
Advanced Knowledge: Python (Pandas, SciPy, SciKit-learn),  $\text{\LaTeX}$ , GitHub, Mathematica, MatLAB  
Basic Knowledge: Stata, R, Java

## INTERESTS & ACTIVITIES

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Research Interests: Industrial Organizations, Computational Economics and Competition in R&D and ICT  
Personal Interests: Technology, Physics and Science Fiction  
Other Activities: Running, Cycling, Strategy Games

## OTHERS

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Mathematica: Contribution to the Wolfram Demonstrations Project  
(<http://demonstrations.wolfram.com/BestResponseLearningInACournotFramework>)  
Github: <https://github.com/clemensfiedler/>

## REFERENCES.

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Available upon request.

### Should we Intervene in the Demand of Firms in the Software Market?

(Work in Progress)

In this paper, we study how a research and development cost structure that scales imperfectly with the number of customers impacts the strategic decisions of firms. It can explain why some markets encourage a small firm to behave submissively while it acts aggressively on other markets. Two firms compete in R&D efforts. Efforts attract customers from the competitor and increase the revenue per customer. The cost of efforts depends partially on the number of customers. We show how this cost structure can generate an inverse u-shaped reaction function of the firms' efforts. We derive conditions under which both firms can increase their efforts in response to an intervention supporting the market leader and under which such an intervention can only encourage the leader or only the laggard. The outcome hinges on whether a laggard becomes more or less competitive as they lose market share. Using three exemplary markets - for hardware, software, and platform technology - we illustrate the importance of this effect to regulators interested in stimulating innovation.

## CONFERENCES AND OTHER PRESENTATIONS

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FinTech and Competition in the Financial Sector Workshop, CPB, Den Haag	2018
European Network for Training in Economic Research Jamboree, Toulouse	2018
EARIE Annual Conference, Maastricht	2017
Bergen Competition Policy Conference (BECCLE), Bergen	2017
European Network for Training in Economic Research Jamboree, London	2017
Competition Law and Economics European Network Workshop, Bonn	2016
European Network for Training in Economic Research Jamboree, Madrid	2016
ESCARES Seminar ULB, Brussels	2016
Big data, Platforms and Privacy Workshop, CPB, Den Haag	2016