

# 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. Candidate in Economics, **Tilburg University**

Supervisors: JAN BOONE, FLORIAN SCHÜTT

September 2015 -  
Current

- Focus on competition and innovation in high-tech and software markets.
- What drives firms to invest into high-quality and innovation?
- Methods 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. candidates of the TiSEM within the university.
- Information sharing between schools and management.
- Organizing activities for Ph.D. candidates.
- Improving situation of the Ph.D. candidates and graduate programs.

### 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 -  
September 2018

- Participation in decision making process of TiSEM.
- Advising management team and consenting to policies.
- Discussing and approving policy changes and budgets of TiSEM.

### Chairman

Graduate Students' Society, Tilburg University

June 2016 -  
September 2018

- Planning and coordinating the activities of the GSS.
- Conducting meetings with stakeholders of the Graduate School.
- Decision making on activities and strategies of the GSS.

### IT Coordinator

Graduate Students' Society, Tilburg University

August 2014 -  
September 2016

- Setting up a Facebook group and a mailing list.
- Maintaining website, composing newsletter.
- Organizing and conducting specialist courses and providing IT knowledge.

## OTHERS

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

## SKILLS

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

## 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

## 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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I attended the following Workshops and Conferences and given a presentation if marked with a (P).

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