

# Michela Bonani

Department of Economics

Tilburg University

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## Education

2017- present

**PhD candidate in Economics**, Tilburg University, Tilburg

Supervisors: Prof. T.J. Klein and dr. F. Schütt and dr. C.B.T. Walsh

Expected date of graduation: fall 2022

2014

**MSc in Economics and Social Sciences**, Bocconi University, Milan

2011

**BSc in Management and Business Administration**, Bocconi University, Milan

## Research Interests

Empirical Industrial Organization, Economics of Innovation and Intellectual Property, Law and Economics.

## Working Papers

“Uniform vs Competing Standards: A Structural Analysis of the U.S. Wireless Telecommunications Industry”

**Job market paper**

**Abstract:** Compatibility is recognized to be a socially desirable outcome but the welfare implications from a uniform standard are still ambiguous. This paper studies the effect of unifying two incompatible standards for wireless networks in the U.S. wireless telecommunications market from 2015 to 2018. I develop and estimate a structural model of consumer choices of wireless carriers and 3G coverage investment to quantify the impact of a compatible network. Using counterfactual experiments, I find that compatibility is the welfare superior policy, regardless of the technology chosen. While the overall producer surplus is higher when moving to uniform wireless networks, whether consumers are better-off depends on the technical standard chosen. Under a Global System for Mobile Communications (GSM) regime, consumer surplus decreases by \$1.7 billion, coverage decreases by 20.01%, and prices increase for two wireless carriers. Under a Code Division Multiple Access (CDMA) compatible network, consumer surplus increases by \$2.2 billion, coverage decreases by 9.78%, and prices fall for all four major carriers.

“Standards, IPR Policies, and Innovation.”

## Pre-PhD Publications (in Italian)

Bonani, M., Mezza, L. (2015), “[La performance delle imprese attraverso i dati di bilancio](#)”, in *Milano Produttiva 2015* (pp. 74-101), Bruno Mondadori Publishing, Milan.

Bonani, M. (2016), “[Una nuova forma di impresa: la start-up innovativa](#)”, in *I&C/ No8*, Bruno Mondadori Publishing, Milan.

## Academic Presentations

2021	CLEEN2021 Conference; Workshop on Standards and Patents; ENTER Jamboree (discussant); Universidad Carlos III de Madrid (scheduled); Tilburg University (SEG lunch; TILEC seminar; Internal workshop seminar);
2020	ENTER Jamboree (cancelled); Tilburg University (SEG lunch; TILEC Annual Retreat; Internal workshop seminar)
2019	Tilburg University (SEG lunch; TILEC seminar)
2018	Tilburg University (SEG lunch; TILEC seminar)

## Summer School

June 2018	Dynamic Structural Econometrics Summer School (DGPE) <b>University of Copenhagen</b> , Copenhagen, Denmark
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## Teaching

Fall 2021	Econometrics for ECO (undergraduate), TA for Prof. T.J. Klein, Tilburg University
Fall 2020	Econometrics for ECO (undergraduate), TA for J.R. Campbell and Prof. T.J. Klein, Tilburg University
Spring 2020	Industrial Economics (undergraduate), TA for F. Schütt and E. Öztürk, Tilburg University Data communication for policy analysis (undergraduate), Lecturer, Tilburg University
Spring 2019	Industrial Economics (undergraduate), TA for F. Schütt and E. Öztürk, Tilburg University
Spring 2018	Industrial Economics (undergraduate), TA for F. Schütt and E. Freddi, Tilburg University
Fall 2017	Microeconomics: Theory and Analysis (undergraduate), TA for B. van Leeuwen and E. Freddi, Tilburg University

## Work Experience

2016	<b>Economist</b> , Transcrime, Università Cattolica del Sacro Cuore, Milan, Italy • Analyst in European project “MORE”
2015	<b>Intern</b> , Chamber of Commerce, Milan, Italy • Economic Studies and Strategic Support department

## Additional Information

Programming:	Python, Matlab, Stata, $\LaTeX$
Languages:	Italian (Native), English (Fluent), Spanish (Beginner)
Other Activities:	Member of the Graduate Students' Society at Tilburg University (2017-present) Junior member of TILEC at Tilburg University (2017- present ) Economic PhDs Representative, Graduate Students' Society Board (2018-2020)

## References

<b>Prof. Tobias Klein</b> Tilburg University +31 (0) 134 668 233 <a href="mailto:t.j.klein@tilburguniversity.edu">t.j.klein@tilburguniversity.edu</a>	<b>dr. F. Schütt</b> Tilburg University +31 (0) 134 664 033 <a href="mailto:F.Schuett@tilburguniversity.edu">F.Schuett@tilburguniversity.edu</a>	<b>dr. C.B.T. Walsh</b> Tilburg University +31 (0) 134 662 479 <a href="mailto:C.B.T.Walsh@tilburguniversity.edu">C.B.T.Walsh@tilburguniversity.edu</a>
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