

Michela Bonani

Department of Economics

ESSEC Business School

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Research Interests

Industrial Organization, Applied Econometrics, Applied Microeconomics.

Academic Positions

2022- present Post-doctoral Researcher, Department of Economics , ESSEC Business School

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: June 2023

2014 **MSc in Economics and Social Sciences**, Bocconi University, Milan

2011 **BSc in Management and Business Administration**, Bocconi University, Milan

Working Papers

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

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 technology 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.

Standard-Setting, IPR Policies and the Incentives to Innovate: Evidence from the IEEE Patent Policy Update

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

2022	Second Annual Empirical Conference on Standardization (Northwestern Pritzker School of Law); Universidad Carlos III de Madrid; Spring Meeting of Young Economists; CLEEN2022 Conference; EARIE 2022; Tilburg University (SEG lunch; TILEC seminar; Internal workshop seminar); Copenhagen Business School; Compass Lexecon; ESSEC Business School; DICE Research seminar; ZEW (Digital Economy Unit)
2021	CLEEN2021 Conference; TILEC Workshop on Economics of Patents and Standards; ENTER Jamboree (discussant); 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) University of Copenhagen , 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

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 (2017-2022) Junior member of TILEC at Tilburg University (2017- present) Economic PhDs Representative, Graduate Students' Society Board (2018-2020)

References

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