

Michela Bonani

Department of Economics

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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 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.

“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

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| 2022 | Universidad Carlos III de Madrid; Spring Meeting of Young Economists |
| 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

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| June 2018 | Dynamic Structural Econometrics Summer School (DGPE) University of Copenhagen , Copenhagen, Denmark |
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Teaching

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| 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

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

Additional Information

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| 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

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| Prof. Tobias Klein Tilburg University +31 (0) 134 668 233 T.J.Klein@tilburguniversity.edu | dr. Florian Schütt Tilburg University +31 (0) 134 664 033 F.Schuett@tilburguniversity.edu | dr. Christoph B.T. Walsh Tilburg University +31 (0) 134 662 479 C.B.T.Walsh@tilburguniversity.edu |
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