

Technological change and economic polarization: The employment, skill and income impacts of innovation

Prof. Marco Vivarelli (marco.vivarelli@unicatt.it)

PhD Course - Free University of Berlin; February 6-7, 2020

- Introduction: innovation and societal concerns
- Technology and employment: Theory
- Technology and employment: Empirical evidence
- Technology, skills and wages
- The current debate
- Conclusions and policy implications

Reading List:

-David H. Autor, 2015. "Why Are There Still So Many Jobs? The History and Future of Workplace Automation," *Journal of Economic Perspectives*, vol. 29(3), pages 3-30.

-Daron Acemoglu & Pascual Restrepo, 2018. "The Race between Man and Machine: Implications of Technology for Growth, Factor Shares, and Employment," *American Economic Review*, vol. 108(6), pages 1488-1542.

-Daron Acemoglu & Pascual Restrepo, 2019. "Automation and New Tasks: How Technology Displaces and Reinstates Labor," *Journal of Economic Perspectives*, vol. 33(2), pages 3-30.

-Daron Acemoglu & Pascual Restrepo, 2019. "Robots and Jobs: Evidence from US Labor Markets", *Journal of Political Economy*, forthcoming, DOI: 10.1086/705716

-Dosi, Giovanni & Piva, Mariacristina & Virgillito, Maria Enrica & Vivarelli, Marco, 2019. "Embodied and Disembodied Technological Change: The Sectoral Patterns of Job-Creation and Job-Destruction," *IZA Discussion Papers 12408*, Institute of Labor Economics (IZA).

-Van Roy, Vincent & Vértesy, Dániel & Vivarelli, Marco, 2018. "Technology and employment: Mass unemployment or job creation? Empirical evidence from European patenting firms," *Research Policy*, vol. 47(9), pages 1762-1776.

-Marco Vivarelli, 2014. "Innovation, Employment and Skills in Advanced and Developing Countries: A Survey of Economic Literature," *Journal of Economic Issues*, vol. 48(1), pages 123-154.