

The Dark Sides of Innovation

Digital PhD course, TIK Centre, University of Oslo, 21-25 September 2020

Teaching schedule

Day 1: New light on the dark sides

Monday 21 September, 10:00-11:00

Fulvio Castellacci: “The dark sides of innovation: Introduction and overview”

Monday 21 September, 11:00-12:00

Magnus Gulbrandsen: “The pro-innovation bias”

Monday 21 September, 18:00-19:30¹

Barry Bozeman: “Is science and innovation policy regressive?”

Day 2: Environmental impacts

Tuesday 22 September, 10:00-11:30

Elisa Giuliani: “Companies love innovation, but does the planet love it too?”

Tuesday 22 September, 13:00-14:30

Simona Iammarino: “Technology and geography in a paradigm shift: the case of Rare and Conflict Minerals in ICT”

¹ This lecture will take place at 18:00 (Oslo time) because Professor Bozeman lives in Phoenix (where the time of the lecture will be 9 am).

Day 3: Effects on firms and workers

Wednesday 23 September, 10:00-11:30

Chantale Tippett: “Automation, AI and threats to employment”

Wednesday 23 September, 13:00-14:30

Davide Consoli: “The green economy: skills and technology”

Day 4: Effects on users

Thursday 24 September, 10:00-11:30

Fulvio Castellacci: “The rat race: Innovation, expectations, adaptation and social comparisons”

Thursday 24 September, 13:00-14:30

Maria Savona: “Data value and data governance”

Day 5: Innovation policy and the dark sides

Friday 25 September, 10:00-11:30

Ron Boschma: “Smart Specialization Policy in the EU: Smart and inclusive growth in European regions?”

Friday 25 September, 13:00-15:30

Fulvio Castellacci: “Bright and dark sides of innovation: Towards a new framework to study innovation, welfare and policy”

Reading list

Acemoglu, D., and Restrepo, P. (2019): “The Wrong Kind of AI? Artificial Intelligence and the Future of Labour Demand”, *Cambridge Journal of Regions, Economy and Society*, 13 (1): 25–35.

Barbieri, N., Perruchas, F., Consoli, D. "Specialization, diversification and environmental technology life-cycle". *Economic Geography* (Online First).

Biggi, G. and Giuliani, E. (2020): “The noxious consequences of innovation: what do we know?”, *Industry & Innovation*, in press.

Bozeman, B. (2020): “Public value science”, *Issues in Science and Technology*, 33-40.

Castellacci, F. & Tveito, V. (2018): “Internet use and well-being: A survey and a theoretical framework”, *Research Policy*, 47(1): 308-325.

Castellacci & Schwabe, H. (2020): “Internet, unmet aspirations and the U-shape of life”, *PLOS ONE*, <https://doi.org/10.1371/journal.pone.0233099>.

Cedefop; OECD (2015). Green skills and innovation for inclusive growth. Luxembourg: Publications Office of the European Union.

Giuliani, E. (2018): “Regulating global capitalism amid rampant corporate wrongdoing—Reply to ‘Three frames for innovation policy’” 47(9): 1577-1582.

Godin and Vinck (2017): *Critical Studies of Innovation: Alternative approaches to the pro-innovation bias*, Edward Elgar.

Levy, F. (2018): “Computers and Populism: Artificial Intelligence, Jobs, and Politics in the near Term”, *Oxford Review of Economic Policy*, 34 (3): 393–417.

Savona, M. (2020): “Governance models for redistribution of data value”, *VOX*, 17 January 2020. <https://voxeu.org/article/governance-models-redistribution-data-value>

Schot, J. & Steinmuller, E. (2018): “Three frames for innovation policy: R&D, systems of innovation and transformative change”, *Research Policy*, 47(9): 1554-1567.

Vona, F., Marin, G., Consoli, D. "Measures, Drivers and Effects of Green Employment: Evidence from US Local Labor Markets, 2006-2014". *Journal of Economic Geography* 19(5): 1021–1048.