

Innovation strategies and their implications for technological change and market outcomes

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Innovation Strategies and Their Implications for Technological Change and Market Outcomes: An Evolutionary Multi-Agent Based Modelling Approach

PhD DISSERTATION

Summary

Salih Çevikarslan

This thesis study consists of essays on innovation strategies in the tradition of evolutionary economics. The chapters address the research topics: taxonomy of innovation strategies, sustainability of heterogeneity in innovation strategies, the effects of patent policy on market outcomes and research joint ventures. For the empirical part of the dissertation, latent class analysis is used to categorize firms into clusters with distinct innovation strategies using Community Innovation Survey 4 data. For the theoretical part, an evolutionary multi-agent based sector-level innovation model platform is created addressing supply and demand side of the market simultaneously with the coevolution of heterogeneous consumer preferences, heterogeneous firm knowledge bases and technology levels at the micro level.