Economics of Innovation

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Programme

- Introduction
- Total Factor Productivity and Tobin’s Q: Definition and Debates
- Adam Smith, Nicholas Kaldor, Jacob Schmookler and the Demand Pull Approach. The Contribution of Daron Acemoglu.
- Karl Marx, John Hicks, Daron Acemoglu and The Induced Technological Change Approach: The Problem of Technological Congruence.
- Schumpeter 1911: Entrepreneurship and Marshallian Economics
  - The Role of Oligopolistic Rivalry
  - Barriers to Entry and Monopolistic Competition
- Structure - Conduct - Performance (T) / Structure - Conduct - Performance (T +1)

- The Dynamics of Learning and Its Implications:
  - Edith Penrose and the Resource Based Theory of the Firm
  - Learning by Doing
  - Localized Learning
  - Learning by Interacting: User-Producer
  - Localized Technological Change

- Evolutionary Contributions
  - The Life Product Life Cycle: Vernon
  - Epidemic Models of Diffusion
  - Supply Driven Diffusion
  - The Replicator Dynamics
  - Natural Selection: Nelson & Winter
  - Lamarckian and Darwinian Evolution: Genotypes Vs. Phenotypes.


- From Knowledge as a Good to The Knowledge Generation Process: The Dynamics of Recombination. The Size and Composition of External Knowledge: Jacobs Increasing Returns


- Beyond the Limited Appropriability: Knowledge Properties Revisited (I): Limited Exhaustibility, And Technological Congruence


- The Technology Production Function and the Knowledge “Generation” Function: The Cdm Approach.

- Schumpeter 1947: The Creative Response and The Economics of Complexity

- Innovation as a Context Dependent Creative Reaction. The Notion of Emergence

- Schumpeterian Growth Regimes
  - The Capitalization of Knowledge
  - The Knowledge Industry
  - The Open Technology Approach

- Technological Change and International Trade

- Technological Change and Income Inequality
Basic References are found in:


