

Economic Transformations and Trajectories:
A Dynamic Multiple-Network Approach

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Chapter 1. Introduction, John Padgett and Woody Powell

Part I: Theoretical background

Chapter 2 (or possibly Chapter 4, depending on how chapters develop). Dynamic Multiple Networks, in Renaissance Florence and the Contemporary Life Sciences. Padgett and Powell.

Chapter 3 (or 2). Structural Dynamics and Innovation in Autocatalytic Networks. Sanjay Jain, Physics, University of Delhi and SFI.

Chapter 4 (or 3). The Topology of the Possible: Evolutionary Lessons from Biochemistry. Walter Fontana, SFI.

Part II: The historical emergence of markets and finance

Chapter 5. The Emergence of International Banking in Renaissance Florence. John Padgett.

Chapter 6. Brokerage, Credit, and Current Accounts in Renaissance Florence. Paul McLean, Sociology, Rutgers; John Padgett and Phillipa Pattison, Psychology, University of Melbourne.

Chapter 7. The Political Emergence of the London Stock Market in the 17th Century. Bruce Carruthers, Sociology, Northwestern.

Chapter 8. The Emergence of a Financial System: Banks and Bankers in Post-Communist Russia. Andrew Spicer, Management, UC – Riverside, and Bruce Kogut, INSEAD.

Chapter 9. Sequences of Network Ties and Processes of Regime Change and Globalization in Hungary, 1987 – 2001. David Stark and Balazs Vedres, Sociology, Columbia University.

Part III. Speciation in scientific and cultural industries

Chapter 10. Small Worlds and the Late 19th Century Emergence of Broadway Musicals. Brian Uzzi, Management, Northwestern and Jarrett Spiro, Business, Stanford.

Chapter 11. The Emergence and Integration of the Life Sciences in the U.S. and Europe. W. Powell and Jason Owen-Smith, Sociology, Michigan.

Chapter 12. Power, Mobility, and Open Elites in the Life Sciences. Jason Owen-Smith, W. Powell, and Kenneth Koput, Management, University of Arizona.

Chapter 13. Why the Valley Went First: The Emergence of Communities of Inventors. Lee Fleming and Lyra Colfer, Harvard Business School.

Chapter 14. Managing the Boundaries of an Open Software Project. Siobhan O'Mahony, Harvard Business School, and Fabrizio Ferraro, Management, Barcelona.

Part IV. Chapter 15. Conclusion and implications, Padgett and Powell.