Understanding Resource Sharing In the Online Decentralized Peer-To-Peer Market Environment by Complex Adaptive System

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Abstract

The emerging discussion of sharing economy (sharing a product and service in turns) takes individuals back to familiar sharing behaviors and community-based exchange from the domination of large corporations. However, the current study proposes that the resources are not only limited to services or goods, but also private individuals’ competence (knowledge, skills, and experience). By applying the complex adaptive system theory, this paper redefines the whole online market environment, demonstrates the important role of intangible recourse sharing during dynamic emergence processes, and explains the establishment of decentralized online community-based exchange. Moreover, this study highlights the intangible resource sharing as the foundation of the online market environment evolution, and contributes to the appearing P2P exchange discussions by introducing a macroscopic theory.

Keywords