



UvA-DARE (Digital Academic Repository)

Exclusion and cooperation in networks

Ule, A.

Publication date
2005

[Link to publication](#)

Citation for published version (APA):

Ule, A. (2005). *Exclusion and cooperation in networks*. Thela Thesis.

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

In this thesis the methods of game theory and experimental economics are used to investigate the dynamics of cooperation in endogenously formed networks. The traditional game theoretic models of social dilemmas assume that agents have no other option but to participate. These models fail to capture an important element of human interaction: that in general people are free to select their partners for interaction. A social dilemma with partner selection is introduced in the thesis, which allows exploration of simultaneous evolutions of the network structure and cooperative behavior on this structure. The results show that free partner choice leads to networks where free-riders are likely to be excluded and strongly facilitates cooperation.

Aljaž Ule is a graduate of applied mathematics from the University of Ljubljana. He studied operations research at Twente University and pursued research in stochastic network analysis at the University of Amsterdam. In 2000 he joined CREED, the Center for Research in Experimental Economics and political Decision-making, to pursue his Ph.D. study. His main research interests include human reasoning, individual and group decision-making, and the dynamics of social behavior and institutions.