**Politechnika Warszawska**

**Big Data - Analiza i Przetwarzanie Dużych Zbiorów Danych**

# Praca podyplomowa

# TYTUŁ

Klaudia Goryś

Keywords:
diffusion of innovation
q-voter model
coevolving networks

Short summary:

The purpose of this thesis is to show how the process of the innovation diffusion spreads over dynamic social networks. To this end a q-voter model with coevolution was proposed. Using the Monte Carlo method, the numerous simulations were performed, particularly on Watts-Strogatz networks.

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| *Title/ degree/ name and surname* | *grade* | *signature* |

*stamp of the faculty*

Warszawa, 2021