

Grant Report

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This is my grant report on the STSM “Game-theoretic aspects of liquid democracy”. During the STSM I proceeded in several directions. First, I discussed with Robert a research program on different aspects of opinion diffusion, also related to liquid democracy. Essentially, the idea is to research opinion diffusion in social networks for various perspectives: structurally and algorithmically, to understand the specifics of the diffusion process and the underlying network that affects the opinions and the outcome; practically, to evaluate those properties and the results; and game-theoretically, to see how incentives play a role. I also met with representative from LiquidFeedback, who are responsible for the most popular eponymous platform for liquid democracy. We established stronger working relations they should involve joint data processing as well as a better understanding of the real-world problems of liquid democracy that look for game-theoretic research and solutions. Finally, I gave a seminar talk on issues also related to liquid democracy, in particular the use of liquid democracy in solving the governance scalability problem.

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