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**[3N1-GS-11]AI and Society**

座長：奥原 俊（三重大学） [現地]

Thu. Jun 8, 2023 9:00 AM - 10:40 AM Room N (D2)

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10:00 AM - 10:20 AM

**[3N1-GS-11-04]A Study on Effect of "Trust" on Collective Action under Information Asymmetry**○Takafumi Harada<sup>1</sup>, Kazutoshi Sasahara<sup>1</sup> (1. Tokyo Institute of Technology)

Keywords: Trust, Collective Action, Information and Communication Technology

In current interpersonal communication, information asymmetries arise because the information that each individual possesses cannot be fully shared. In the face of information asymmetry, individuals routinely use the mechanism of "trust" to make decisions and take actions. The relationship between information asymmetry and "trust" is likely to change in the future, as the amount of information in circulation has increased dramatically in recent years due to advances in information and communication technology. In this study, the effect of changes in the relationship between information asymmetry and "trust" on the performance of collective action, an individual and group optimization problem, was analyzed using simulations under specific conditions. The simulation results indicate that collective action performance may be higher when there is information asymmetry or some lack of "trust" than when there is no information asymmetry and complete "trust".