

WHEN SOCIAL SCIENCE MEETS COMPUTER SCIENCE...

Webinar of Computational Social Science Laboratory (CSSL@CUHK)

Experiments with Social Coordination in Hybrid Systems of Humans and Bots

14 December 2023 (Thursday), 09:30 - 11:00 (UTC+8, HKT)

Abstract

In this talk, I will introduce my online experiments aimed at examining how people coordinate with each other in the presence of machine intelligence. I will begin by discussing the findings published by Nature in 2017, which involved the injection of bots into experimental networks where people (N = 4000 in total) were playing a coordination game. The study showed that the performance of human groups improved when bots acted with seemingly irrational behaviors. Using the study, I will discuss the benefits of using bots for social experiments. I will then introduce a recent study investigating the social implications of intelligent assistance, such as emergency automatic steering assistance, in a novel cyber-physical experiment. Based on these findings, I will discuss my hypothesis of how AI could potentially impact human prosociality by decoupling social foci.



Biography

Hirokazu Shirado is an Assistant Professor of the Human-Computer Interaction Institute in the School of Computer Science at Carnegie Mellon University. His research focuses on hybrid systems of humans and machines, particularly how machine intelligence can help people address the challenges of collective action.

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