FMfI2023 Program	
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Title	**Advancing Social Simulation by Fusing with Machine Learning**
Abstract	Social simulation is a simulation that reproduces various social phenomena. Social simulation has the advantage of visualizing future and past events that are difficult to observe directly and analyzing counterfactual events. In the fields of logistics, traffic management, and pedestrian management, there has been a lot of social simulation research to visualize the whole perspective of large-scale complex social systems and to analyze policies that are difficult to experiment with. In recent years, there has been growing interest in machine learning, such as deep learning, in the social simulation domain, due to the desire to deal with a large amount of accumulated social data and to link social simulation with the real world (digital twin). Specifically, it is expected that machine learning can be helped to build simulation models using large-scale social data and to analyze massive data generated from simulations. In this presentation, we introduce our research which tries to integrate social simulation and machine learning in order to meet recent expectations.