

Reproducible evaluation on our sequential states for social improvement

R&D Project Title: Co-creation of individual and collective well-being: Measuring the states of spaces and communities to support individuals' optimization

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Summary :

We will develop technologies to measure the state of both individual and collective well-being, and explore the factors that affect how both states of well-being mutually constitute each other. This study will be conducted based on insights derived from social sciences such as cultural psychology, showing that the optimization of individuals' well-being is supported by the states of spaces and communities. Using such technologies, we will seek methods of creating optimal spaces and communities through their practical implementation.

We will examine what kinds of collective states (of places and/or communities) contribute to the optimal states and well-being of individuals, and what kinds of individual states contribute to optimal collective states. The project will be conducted using an interdisciplinary approach, based on social/cultural psychological theory and measurements of subjective states. In addition to measures of psychological states, physiological indices (e.g., biological measures) and sensing technology from the information science and engineering fields will be employed to examine a wide range of collective settings, from small groups in workplaces and local communities, to "cities" as examples of shared spaces. Specifically, we will (1) quantify and formulate measurement methods for individual and collective states of well-being (by linking subjective indicators and sensing data), (2) identify factors that support the balance and co-creation of optimal individual and collective states, and (3) develop social and sensing technologies to control factors which might induce potential conflict between individual and collective states.

