

# Making full use of AI and simulation technologies across different fields for a human-centered society

## Co-evolution of Humans and Simulation AI for Resilient Business Continuity and Recovery

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### Summary :

The final goal of this research project is to establish a methodology for co-evolution of humans and simulation AIs to sustainably and efficiently improve the capability for business continuity and recovery.

For this purpose, we will develop, 1) a training system and program using the agent-based simulation of business continuity and recovery with high fidelity models of humans, response and recovery operations, and infrastructure; 2) high-speed, interpretable, and explainable process optimization AIs for benchmarking the effectiveness and optimality of training results; and 3) a method to clarify and explain the difference between the training results and AI optimization to better elicit tacit and empirical knowledge for effective business continuity and recovery. We will develop a prototype system for local medical and water supply services and conduct a proof of concept.

