

Social Resilience Division

Enhancing the sustainability and resilience of society as a whole in the face of multiple risks in modern society

This area aims to improve the sustainability and resilience of society as a whole in modern society, which faces complex and interrelated risks such as the intensification of natural disasters, energy challenges that require both sustainability and stable supply, and increasingly sophisticated cyber threats. Social infrastructure such as urban functions, energy supply, and information infrastructure are closely interconnected, and the weakening of any one of them may have a serious impact on society as a whole. In this area, we will organically coordinate the three divisions of "urban disaster prevention and disaster resilience," "energy resilience," and "cyber resilience," and promote interdisciplinary research and practice. Through this, we will seek integrated solutions that go beyond responses confined to individual fields, while also aiming to strengthen response capabilities when crises occur and to enhance preparedness in normal times. In addition, by linking the outcomes of academic research to social implementation and policy proposals, and by advancing the accumulation of knowledge and human resource development through collaboration with related institutions in Japan and overseas, we will contribute to the formation of a global core hub that leads research on social resilience.

Overview and Mission of the Area

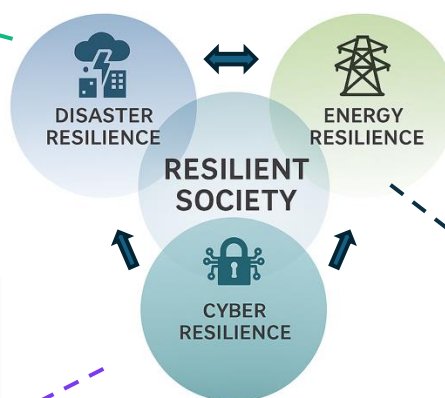
Urban Disaster Prevention and Disaster Resilience

Based on urban disaster prevention and mitigation measures and the strengthening of national infrastructure resilience, we will build urban and regional structures that enable the suppression of damage from natural disasters and early recovery.

Cyber Resilience

By cross-functionally linking the "Urban Disaster Prevention and Disaster Resilience" division and the "Energy Resilience" division, we will contribute to building the foundation of a safe and reliable social system through strengthening and advancing the resilience of the information infrastructure that forms the core of social infrastructure.

Enhancing social resilience against complex risks



Energy resilience

Aiming to achieve both sustainability and stable supply, we are working to create a resilience model for energy infrastructure that can maintain and recover its functions from normal times through emergencies.

Mission

- By integrating urban disaster prevention and national infrastructure, sustainable energy, and information resilience infrastructure, we will build an integrated social resilience model and demonstrate its effectiveness through social implementation.
- Form an international research center that leads social resilience research by promoting interdisciplinary research and fostering young researchers and highly specialized professionals.
- Play a central role in contributing to the development of a resilient society on a global scale by expanding research outcomes into policy recommendations, technical guidelines, and other outputs.

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From recent research themes



Resilience Research and Education Promotion Consortium

Program for Supporting the Creation of Co-Creation Spaces (COI-NEXT)
A 5D-MaaS co-creation hub that realizes a "phase-free ultra-flexible society"