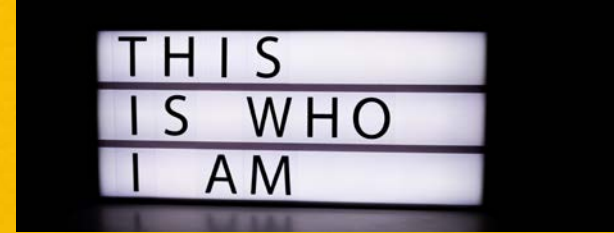


# *Resilient supply chains*

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# Design of resilient networks



# Project focus

A person's hands are holding a pair of black-rimmed glasses. The lenses are in focus, showing a clear reflection of a port with several cranes and a ship. The background behind the glasses is blurred, showing a body of water and a distant port.

Networks controlled by one organization, including:

- Centralized Supply Chain

# Main Research Directions

- Mathematically model the resilience concept
- Develop methods to optimize the mathematical models





# Possible Collaborations

- Governance in large-scale disruptions
- Resilient Asset Management
- Artificial & natural infrastructure in urbanized deltas



# Educational Aspects

- Will be involved in the SURF Urban Resilience program
- Supervise students in different levels





A satellite view of the United States at night, showing a dense network of city lights and connections across the continent. The lights are primarily yellow and white, set against a dark blue background of the night sky and the dark outlines of the landmasses.

We live in a complex and vulnerable world  
and should aim to

**Design Systems for Informed Resilience Engineering!**

Thank you for your attention!